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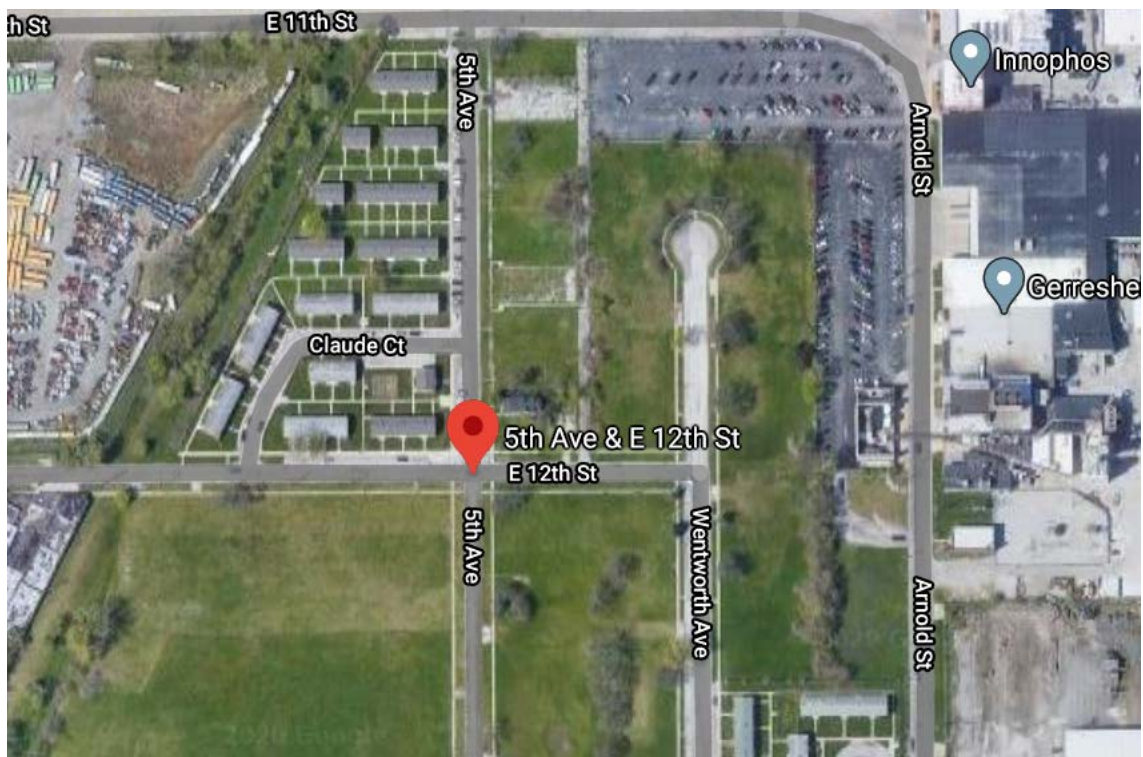
## Asbestos-Containing Material Survey Report

Site: **Housing Authority of Cook County  
John Mackler Homes and Sunrise Apartments  
12<sup>th</sup> Street and 5<sup>th</sup> Avenue  
Chicago Heights, Illinois 60411**

Survey Dates: **May 1, 2020 thru May 15, 2020**

Project No.: **A110530057**

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Prepared For: **Housing Authority of Cook County  
175 West Jackson #350  
Chicago, Illinois 60604**

Submitted: **July 8, 2020**

## Asbestos-Containing Material Survey Report

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**John Mackler Homes and Sunrise Apartments**  
**12<sup>th</sup> Street and 5<sup>th</sup> Avenue**  
**Chicago Heights, Illinois 60411**

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Inspected by:



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Report by:



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Asbestos Building Inspector (IDPH #: 100-07278)

Reviewed by:



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## 1.0 EXECUTIVE SUMMARY

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Carnow, Conibear & Assoc., Ltd. (Carnow Conibear) was retained by the Housing Authority of Cook County to perform an asbestos-containing material survey at the John Mackler Homes and Sunrise Apartments located in Chicago Heights, Illinois. The asbestos survey included materials to be targeted for planned renovations within the interior and exterior of each building structure.

The asbestos survey was conducted in phases. The first phase included a visual inspection of the facility to identify accessible suspect asbestos-containing materials. The next phase included collecting representative samples from each suspect material and analyzing the samples for the presence of asbestos.

Asbestos-containing materials identified at the subject site included:

### Residential Buildings (15 individual structures)

- Floor Tile and associated Floor Tile Mastic - Approximately 102,300 square feet located in all buildings beneath multiple layers of flooring.
- Drywall Joint Compound – Approximately 14,860 square feet located throughout buildings 3, 6, 7, 11, and 14.
- Pipe Fitting Insulation – Approximately 670 fittings located within building 1, 2, 4, 8, 9, 11, 12, 14, and 15. Assumed present within inaccessible interstitial spaces in buildings 3, 5, 6, 7, and 10
- Paperwrap Pipe Insulation – Approximately 160 linear feet located within buildings 1 and 3. Assumed present within inaccessible interstitial spaces within all other buildings.
- Duct Wrap Insulation – Approximately 340 linear feet located within buildings 2, 3, and 12.
- Black Gas Pipe Wrap – Approximately 28 linear feet located within buildings 1, 2, 4, 6, and 7.
- Canvas Duct – Approximately 112 linear feet located within buildings 4 and 9.
- Duct Sealant – Approximately 200 linear feet located within building 14.
- Textured Ceiling – Approximately 120 square feet located within building 14.
- Canvas Vibration Damper – Approximately 290 linear feet located in buildings 11, 13, 14, and 15.
- Exterior Window Caulk – Approximately 1,620 linear feet located at buildings 2, 4, 7, and 10.
- Exterior Eave Caulk – Approximately 80 linear feet located at building 10 eaves.
- Exterior Door Caulk – Approximately 420 linear feet located at buildings 12 and 15.
- Exterior Transite Siding – Approximately 12,750 square feet located at exterior of each building

Carnow Conibear recommends all future asbestos removal and/or demolition/renovation work involving asbestos-containing materials are conducted by a licensed contractor in accordance with IDPH, NESHAPS, IEPA, and OSHA regulations and requirements. Carnow Conibear also recommends preparing asbestos abatement design documents, including technical abatement specifications. Conduct on-site project monitoring during abatement, collect clearance samples, and develop abatement summary documentation prior to re-occupancy.

## **2.0 INTRODUCTION**

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Carnow, Conibear & Assoc., Ltd. (Carnow Conibear) was retained by the Housing Authority of Cook County to perform a pre-alteration asbestos-containing material survey at the John Mackler Homes and Sunrise Apartments located in Chicago Heights, Illinois. The asbestos survey was limited to accessible locations and materials to be targeted for planned renovations within the interior and exterior of each building structure. The surveys were conducted from May 1, 2020 thru May 15, 2020 by Carnow Conibear representatives Mr. Kenneth Karuhn. Mr. Karuhn is an Illinois Department of Public Health (IDPH) licensed asbestos building inspector. See Appendix A for a copy of the current licenses and accreditations.

### **2.1 Objective**

#### **2.1.1 Asbestos Containing Material Survey**

The purpose of the asbestos survey was to identify locations of asbestos-containing materials within the interior and exterior areas of the structures planned for renovation at the Richard Flowers Homes located in Robbins, Illinois. To achieve this purpose, the following was performed:

- Visual Inspection – to determine the location of suspect materials.
- Sample Collection and Laboratory Analysis – to determine asbestos content
- Reporting – to prepare a summary report documenting the inspection findings

### **2.2 General Facility Description**

The John Mackler Homes and Sunrise Apartments were constructed in the early 1960's and includes two-story multi-family residential buildings. The development is located in Chicago Heights, Illinois. The interior dwelling spaces include rental units constructed with drywall walls and ceilings, and vinyl floor coverings. The exterior construction is primarily brick, asbestos containing cementitious siding and vinyl siding with a pitched roof covered with asphalt shingles. Each unit is heated by a forced air-type furnace located in each unit's utility room.

## **3.0 SITE INSPECTION**

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### **3.1 Asbestos-Containing Material Survey**

#### **3.1.1 Asbestos Survey Methodology**

The asbestos survey consisted of three phases. The first phase of the survey included developing a survey strategy based on construction history and building types. The second phase of the survey consisted of a walkthrough inspection of each building to identify homogeneous materials (materials which are uniform in composition throughout) and to assess material conditions. The final phase consisted of collecting representative bulk samples from the suspected asbestos-containing materials. Materials may have been assumed to contain asbestos due to inaccessibility of the room or area where the materials were located or sampling of the material would damage or compromise the integrity of the building component and may render it inoperable (ie. elevator doors, fire doors, etc.).

#### **3.1.2 Suspect Asbestos Containing Material Sample Collection**

Carnow Conibear collected a total of one-thousand one-hundred and fifty-one (1,151) samples from the suspected asbestos-containing materials. All bulk samples were collected based on methods described in USEPA guidelines. The samples were collected and stored in sample bags with a unique sample identification number prior to delivery to eurofins CEI Labs (CEI) for analysis. A chain of custody (COC) form was signed and dated by the inspector, the delivering representative, and the laboratory representative who received the samples.

#### **3.1.3 Asbestos Sample Analysis**

The samples collected during the field activities were submitted to CEI for laboratory analysis. CEI's laboratory is accredited for bulk asbestos fiber analysis by the National Voluntary Laboratory Accreditation Program (NVLAP) through the National Institute of Standards and Technology (NIST). CEI utilized polarized light microscopy (PLM) techniques for analyzing the samples consistent with National Institute for Occupational Safety and Health (NIOSH) methods. PLM is the EPA's recognized method for determining bulk asbestos content.

The results of the laboratory revealed the presence of asbestos-containing materials at each subject site. Tables 1-15 summarize results of the asbestos survey and includes material descriptions, locations, laboratory results and provides the estimated quantity. See Appendix B for the bulk sample laboratory report and chain of custody documentation.

**Table 1: Summary of Asbestos Survey – Building 1**  
 Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Units 1100, 1100A, 1102, 1102A, 1104, 1104A 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer 1) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floors	No Asbestos Detected	800 SF	
Blue Sheeting (layer 2) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> floor	No Asbestos Detected	800 SF	
Leveling Compound (layer 3) and Adhesive	1 <sup>st</sup> Floor	No Asbestos Detected	400 SF	
Beige Floor Tile (layer 3) and Yellow Mastic	2 <sup>nd</sup> Floor	No Asbestos Detected	400 SF	
Beige Floor Tile (layer 4) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floors	No Asbestos Detected	800 SF	
<b>Brown Floor Tile (bottom layer 5)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floors: Throughout</b>	<b>8% Chrysotile</b>	<b>800 SF</b>	<b>Assumed present beneath all existing flooring.</b>
Yellow Adhesive beneath Brown Floor Tile (bottom layer 5)	1 <sup>st</sup> and 2 <sup>nd</sup> Floors	No Asbestos Detected	800 SF	
Drywall/ and Drywall Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floors Throughout	No Asbestos Detected	6,000 SF	
Brown Vinyl Stair Tread and Tan Adhesive	Stairway	No Asbestos Detected	252 SF	
Gray Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	36 SF	Beneath kitchen sink
Ceramic Tile Mortar	2 <sup>nd</sup> Floor: Bathroom	No Asbestos Detected	240 SF	
<b>Pipe Fitting Insulation (Hard Elbow)</b>	<b>1<sup>st</sup> Floor: furnace Room</b>	<b>35% Chrysotile</b>	<b>10 Fittings</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
<b>Paper Wrap Pipe Insulation</b>	<b>1<sup>st</sup> Floor: Furnace Room</b>	<b>35% Chrysotile</b>	<b>120 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
White Window Caulk	Exterior	No Asbestos Detected	600 LF	
Exterior Door Caulk	Exterior	No Asbestos Detected	240 LF	
Exterior Eave Caulk	Exterior	No Asbestos Detected	200 LF	

**Table 1: Summary of Asbestos Survey – Building 1**  
 Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Units 1100, 1100A, 1102, 1102A, 1104, 1104A 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Brown Dryer Caulk	Exterior	No Asbestos Detected	6 SF	
<b>Black Gas Pipe Wrap</b>	<b>Exterior</b>	<b>5% Chrysotile Asbestos</b>	<b>6 SF</b>	
<b>Transite Siding</b>	<b>Exterior</b>	<b>15% Chrysotile Asbestos</b>	<b>500 SF</b>	
Exterior Brick	Exterior	No Asbestos Detected	2,800 SF	
Exterior Brick Mortar	Exterior	No Asbestos Detected	1,000 SF	
Wall Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	500 SF	
Paper Duct Wrap	1 <sup>st</sup> Floor	No Asbestos Detected	60 SF	
Vinyl Vibration Damper	1 <sup>st</sup> Floor	No Asbestos Detected	24 SF	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 2: Summary of Asbestos Survey – Building 2**  
 Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1106, 1106A, 1108 and 1108A 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer1) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	800 SF	
Blue Floor Sheeting (layer 2) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	800 SF	
Beige Floor Tile (layer 3)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	400 SF	Asbestos mastic beneath.
<b>Black Mastic beneath Beige Floor Tile (layer 3)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>2% Chrysotile Asbestos</b>	<b>400 SF</b>	



**Table 2: Summary of Asbestos Survey – Building 2**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1106, 1106A, 1108 and 1108A 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Beige Floor Tile and Black Mastic (layer 4)	1 <sup>st</sup> Floor	Chrysotile 10% Chrysotile 5%	400 SF	
Brown Floor Tile and Black Mastic beneath (layer 4)	2 <sup>nd</sup> Floor	Chrysotile 10% Chrysotile 5%	800 SF	
Beige Floor Tile and Black Mastic beneath (bottom layer 5)	1 <sup>st</sup> Floor	Chrysotile 3% Chrysotile 5%	800 SF	
Drywall/ Drywall Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor: Throughout	No Asbestos Detected	4,000 SF	
Brown Vinyl Stair Tread	Stairway	No Asbestos Detected	168 SF	
Gray Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	24 SF	Beneath kitchen sink.
Duct Paper Wrap Insulation	1 <sup>st</sup> Floor: Furnace Room	Chrysotile 15% Asbestos	20 LF	Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
Pipe Fitting Insulation (Hard Elbow)	1 <sup>st</sup> Floor: Furnace Room	Chrysotile 55% Asbestos	80 LF	Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
Exterior Window Caulk	Exterior	Chrysotile 2%	400 LF	
Door Caulk	Exterior	No Asbestos Detected	160 LF	
Eave Caulk	Exterior	No Asbestos Detected	140 LF	
Brown Dryer Caulk	Exterior	No Asbestos Detected	4 SF	
Gas Pipe Wrap, Black	Exterior	Chrysotile 10% Asbestos	4 SF	
Transite Siding	Exterior	Chrysotile 15% Asbestos	500 SF	
Exterior Brick	Exterior	None Detected	1,800 SF	
Exterior Mortar	Exterior	None Detected	500 SF	

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 SF = Square Feet

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**Table 3: Summary of Asbestos Survey – Building 3**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1110A and 1110B 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
12"x12" Floor Tile – Beige Mottled (top layer1) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	800 SF	
12"x12" Floor Tile – Beige with Specks (layer 2) and Yellow Mastic	1 <sup>st</sup> Floor	No Asbestos Detected	400 SF	
Leveling Compound (layer 2)	2 <sup>nd</sup> Floor	No Asbestos Detected	400 SF	
Beige Floor Tile (layer 3) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	800 SF	
<b>Beige Floor Tile (layer 4) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2% Chrysotile 3%</b>	<b>800 SF</b>	
Drywall	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	1,760 SF	Associated drywall joint compound confirmed asbestos-containing material.
<b>Drywall Joint Compound</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>1,760 SF</b>	
Grey Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	12 SF	
Pipe Fitting Insulation (Hard Elbow)	Not Observed	Not Sampled (Assume ACM)	Not Quantified	Assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
<b>Paper Duct Wrap</b>	<b>1<sup>st</sup> Floor</b>	<b>Chrysotile 65%</b>	<b>20 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
<b>Paper Wrap Insulation</b>	<b>1<sup>st</sup> Floor</b>	<b>Chrysotile 10%</b>	<b>40 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
Window Caulk	Exterior	No Asbestos Detected	200 LF	
Door Caulk	Exterior	No Asbestos Detected	80 LF	
Brown Dryer Caulk	Exterior	No Asbestos Detected	2 SF	
Exterior Brick	Exterior	No Asbestos Detected	2,400 SF	

**Table 3: Summary of Asbestos Survey – Building 3**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1110A and 1110B 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Exterior Mortar	Exterior	No Asbestos Detected	500 SF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15%</b>	<b>500 SF</b>	
Exterior Mortar	Exterior	None Detected	500 SF	

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 SF = Square Feet

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**Table 4: Summary of Asbestos Survey – Building 4**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1112, 1112A, 1114C, 1114, 1114B 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer1) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,000 SF	
Blue Sheeting (layer 2) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,000 SF	
Floor Tile – Beige with Brown Streaks (layer3) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,000SF	
Floor Tile – Beige (layer 4)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4.000 SF	Asbestos mastic below.
<b>Yellow and Black Mastic beneath Beige Floor Tile (layer 4)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>4.000 SF</b>	
<b>Beige Floor Tile (bottom layer 5) and Black Mastic</b>	<b>1<sup>st</sup> Floor: Throughout</b>	<b>Chrysotile 3% Chrysotile 10%</b>	<b>2,000 SF</b>	
<b>Floor Tile – Brown</b>	<b>2<sup>nd</sup> Floor: Throughout</b>	<b>Chrysotile 10% Chrysotile 10%</b>	<b>2,000 SF</b>	
Grey Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	30 SF	
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	6,000 SF	

**Table 4: Summary of Asbestos Survey – Building 4**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1112, 1112A, 1114C, 1114, 1114B 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Textured Ceiling	2 <sup>nd</sup> Floor: Bedroom – Unit 1114C	No Asbestos Detected	120 SF	
<b>Canvas Duct</b>	<b>1<sup>st</sup> Floor: Furnace Room</b>	<b>Chrysotile 40%</b>	<b>80 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
<b>Pipe Fitting Insulation (Hard Elbow)</b>	<b>1<sup>st</sup> Floor: Furnace Room</b>	<b>Amosite 2%</b>	<b>110 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
Black Vibration Damper	1 <sup>st</sup> Floor	No Asbestos Detected	80 LF	
Stair Tread	Stairway	No Asbestos Detected	210 SF	
Mortar for Ceramic Tile	2 <sup>nd</sup> Floor Bathroom	No Asbestos Detected	240 SF	
Paper Wrap Insulation	Not Observed	Not Sampled (Assume ACM)	Not Quantified	Assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
Door Caulk	Exterior	No Asbestos Detected	160 LF	
<b>Exterior Window Caulk</b>	<b>Exterior</b>	<b>Chrysotile 2%</b>	<b>300 LF</b>	
<b>Gas Pipe Caulk</b>	<b>Exterior</b>	<b>Chrysotile 2% Chrysotile 2-10%</b>	<b>6 SF</b>	
Drier Caulk	Exterior	No Asbestos Detected	6 SF	
Eave Caulk	Exterior	No Asbestos Detected	200 LF	
Exterior Brick	Exterior	No Asbestos Detected	4,800 SF	
Exterior Mortar	Exterior	No Asbestos Detected	2,000 SF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15%</b>	<b>500 SF</b>	

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SF = Square Feet

**Bold indicates greater than 1% ACM.**

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**Table 5: Summary of Asbestos Survey – Building 5**

Housing Authority of Cook County  
John Mackler Homes/ Sunrise Apartments  
Unit 1116A and 1116C 5<sup>th</sup> Avenue  
Chicago Heights, Illinois 60411

<b>MATERIAL DESCRIPTION</b>	<b>MATERIAL LOCATION</b>	<b>ASBESTOS LABORATORY RESULT</b>	<b>ESTIMATED QUANTITY</b>	<b>COMMENTS</b>
Wood Floor Sheeting and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup>	No Asbestos Detected	1,600 SF	
Blue Floor Sheeting and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	1,600 SF	
<b>Brown Floor Tile and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 10% Chrysotile 5%</b>	<b>1,600 SF</b>	
Grey Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	12 SF	
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Textured Ceiling	2 <sup>nd</sup> Floor	No Asbestos Detected	120 SF	
Pipe Fitting Insulation (Hard Elbow)	1 <sup>st</sup> Floor	No Asbestos Detected	10 LF	
Vinyl Vibration Damper	1 <sup>st</sup> Floor	No Asbestos Detected	24 SF	
Brown Vinyl Stair Tread and Yellow Mastic	Stairway	No Asbestos Detected	84 SF	
Ceramic Tile Mortar	2 <sup>nd</sup> Floor	No Asbestos Detected	120 SF	
Exterior Door Caulk	Exterior	No Asbestos Detected	64 LF	
<i>Window Caulk</i>	<i>Exterior</i>	<i>Trace Chrysotile (&lt;1%) Asbestos</i>	<i>160 LF</i>	<i>Not a regulated asbestos-containing material.</i>
Eave Caulk	Exterior	No Asbestos Detected	32 LF	
Exterior Brick	Exterior	No Asbestos Detected	2,400 SF	
Exterior Mortar	Exterior	No Asbestos Detected	1,000 SF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15% Asbestos</b>	<b>500 SF</b>	

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LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 6: Summary of Asbestos Survey – Building 6**  
Housing Authority of Cook County  
John Mackler Homes/ Sunrise Apartments  
Unit 1118A, 1118B, 1120A, 1120B and 1120C 5<sup>th</sup> Avenue  
Chicago Heights, Illinois 60411

<b>MATERIAL DESCRIPTION</b>	<b>MATERIAL LOCATION</b>	<b>ASBESTOS LABORATORY RESULT</b>	<b>ESTIMATED QUANTITY</b>	<b>COMMENTS</b>
12"x12" Floor Tile Beige Mottled (top layer1) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,000 SF	
12"x12" Floor Tile Beige Streaked (layer 1) and Yellow Mastic	1 <sup>st</sup> Floor	No Asbestos Detected	2,000 SF	
12"x12" Floor Tile Beige with Brown Streak (layer 1)	1 <sup>st</sup> Floor	No Asbestos Detected	2,000 SF	
Beige Floor Tile (layer 2) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	<b>Chrysotile 5%</b>	4,000SF	
<b>Beige Floor Tile (layer 3) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 3% Chrysotile 5%</b>	<b>4,000 SF</b>	
Beige Vinyl Baseboard and Clear Adhesive	2 <sup>nd</sup> Floor	No Asbestos Detected	50 LF	
Black Vinyl Baseboard and Clear Adhesive	1 <sup>st</sup> Floor	No Asbestos Detected	50 LF	
Drywall	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	6,000 SF	Associated drywall joint compound confirmed asbestos-containing material.
<b>Drywall Joint Compound</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>6,000 SF</b>	
Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	36 SF	
Stair Tread	Stairway	No Asbestos Detected	252 SF	
Vinyl Vibration Damper	1 <sup>st</sup> Floor	No Asbestos Detected	24 SF	
Textured Wall Paper	2 <sup>nd</sup> Floor	No Asbestos Detected	320 SF	
Door Caulk	Exterior	No Asbestos Detected	240 LF	
Window Caulk	Exterior	Trace Chrysotile (<1%) Asbestos	600 LF	Not a regulated asbestos-containing material.
Dryer Caulk	Exterior	No Asbestos Detected	6 SF	
Eave Caulk	Exterior	No Asbestos Detected	200 LF	

**Table 6: Summary of Asbestos Survey – Building 6**  
 Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1118A, 1118B, 1120A, 1120B and 1120C 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
<b>Gas Meter Caulk</b>	<b>Exterior</b>	<b>Chrysotile 10%</b>	<b>6 SF</b>	
Exterior Brick	Exterior	No Asbestos Detected	4,800 SF	
Exterior Mortar	Exterior	No Asbestos Detected	2,000 SF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15%</b>	<b>500 SF</b>	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 7: Summary of Asbestos Survey – Building 7**  
 Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1122, 1122A, 1124 and 1124A 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (layer1) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Blue Sheeting (layer 2) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
<b>Beige Floor Tile (layer3) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2% Chrysotile 2%</b>	<b>3,200 SF</b>	
Brown Vinyl Stair Tread and Brown Mastic	Stairway	No Asbestos Detected	170 SF	
Drywall	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	1,600 SF	
<b>Drywall Joint Compound</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>1,600 SF</b>	
<b>Exterior Window Caulk</b>	<b>Exterior</b>	<b>Chrysotile 2%</b>	<b>600 LF</b>	
Door Caulk	Exterior	No Asbestos Detected	240 LF	

**Table 7: Summary of Asbestos Survey – Building 7**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1122, 1122A, 1124 and 1124A 5<sup>th</sup> Avenue  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Eave Caulk	Exterior	No Asbestos Detected	200 LF	
Exterior Brick	Exterior	No Asbestos Detected	4,000 SF	
Exterior Mortar	Exterior	No Asbestos Detected	1,000 SF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 10%</b>	<b>500 SF</b>	
Drier Caulk	Exterior	No Asbestos Detected	6 SF	
<b>Black Gas Meter Caulk</b>	<b>Exterior</b>	<b>Chrysotile 10%</b>	<b>6SF</b>	
Pipe Fitting Insulation (Hard Elbow)	Not Observed	Not Sampled (Assume ACM)	Not Quantified	Assumed present within inaccessible interstitial wall/ceiling/soffit spaces.

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 8: Summary of Asbestos Survey – Building 8**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1101A, 1101B, 1103A, 1103B, 1105A, 1105B, 1107A and 1107B Claude Ct.  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
12"x12" Floor Tile - Beige and Brown Streak Pattern and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	Asbestos-containing mastic below.
<b>Black Mastic beneath 12"x12" Floor Tile - Beige and Brown Streak Pattern</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>3,200 SF</b>	
Beige 12"x12" Floor Tile and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
12"x12" Floor Tile - Beige with Streak Pattern	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	Asbestos-containing mastic below.



**Table 8: Summary of Asbestos Survey – Building 8**  
 Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1101A, 1101B, 1103A, 1103B, 1105A, 1105B, 1107A and 1107B Claude Ct.  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
<b>Black Mastic beneath 12"x12" Floor Tile - Beige with Streak Pattern</b>	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	<b>Chrysotile 5%</b>	<b>3,200 SF</b>	
12"x12" Floor Tile - Beige Mottled	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	Asbestos-containing mastic below.
<b>Black Mastic beneath 12"x12" Floor Tile - Beige Mottled Pattern</b>	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	<b>Chrysotile 5%</b>	<b>3,200 SF</b>	
<b>Brown Floor Tile and Black Mastic</b>	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	<b>Chrysotile 10% Chrysotile 5%</b>	<b>3,200 SF</b>	
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	1,600 SF	
Grey Sink Under Coating	1 <sup>st</sup> and 2 <sup>nd</sup> Floor: Kitchen	No Asbestos Detected	64 SF	Beneath kitchen sink.
<b>Pipe Fitting Insulation (Hard Elbows)</b>	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	<b>Amosite 2% Chrysotile 5%</b>	<b>80</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
Door Caulk	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	240 LF	
Window Caulk	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	500 LF	
Wall Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	640 SF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15%</b>	<b>800 SF</b>	
Exterior Brick	Exterior	No Asbestos Detected	4,000 SF	
Exterior Mortar	Exterior	No Asbestos Detected	1,000 SF	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

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SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 9: Summary of Asbestos Survey – Building 9**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1109, 1111, 1113 and 1115 Claude Ct.  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer 1) and Yellow Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Blue Sheeting (layer 2) and White Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Leveling Compound (layer 3)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Floor Tile – Beige (layer 4) and Tan Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Floor Tile – Beige (layer 5)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	Asbestos-containing mastic below
<b>Tan/Black Mastic beneath Floor Tile – Beige (layer 5)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>3,200 SF</b>	
<b>Floor Tile - Brown (layer 6) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 10% Chrysotile 5%</b>	<b>3,200 SF</b>	
Mortar for Ceramic Tile	2 <sup>nd</sup> Floor Bathroom	No Asbestos Detected	240 SF	
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,000 SF	
<b>Pipe Fitting Insulation (Hard Elbow)</b>	<b>1<sup>st</sup> Floor</b>	<b>Chrysotile 2% Amosite 5%</b>	<b>100 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
<b>Canvas Vibration Damper</b>	<b>1<sup>st</sup> Floor</b>	<b>Chrysotile 50%</b>	<b>32 SF</b>	
Stair Tread	Stairway	No Asbestos Detected	168 SF	
Vinyl Vibration Damper	1 <sup>st</sup> Floor	No Asbestos Detected	32 SF	
Sink Under Coating	1 <sup>st</sup> Floor Kitchen	No Asbestos Detected	48 SF	
Window Caulk	Exterior	No Asbestos Detected	600 LF	
Door Caulk	Exterior	No Asbestos Detected	240 LF	
Dryer Caulk	Exterior	No Asbestos Detected	4 SF	
Gas Pipe Wrap, Black	Exterior	No Asbestos Detected	4SF	

**Table 9: Summary of Asbestos Survey – Building 9**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1109, 1111, 1113 and 1115 Claude Ct.  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15%</b>	<b>2,000 SF</b>	
Exterior Brick	Exterior	No Asbestos Detected	4,000 SF	
Exterior Mortar	Exterior	No Asbestos Detected	2,000 SF	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet  
 SF = Square Feet

**Bold indicates greater than 1% ACM.**

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**Table 10: Summary of Asbestos Survey – Building 10**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1138 and 1140 Claude Ct.  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer 1) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	800 SF	
Blue Sheeting (layer 2)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	800 SF	
<b>Floor Tile - Brown (layer 3) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 5% Chrysotile 5%</b>	<b>800 SF</b>	
Brown Vinyl Stair Tread and Yellow Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	84 SF	
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	2,500 SF	
Gray Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	12 SF	Beneath kitchen sink
12"x12" Floor Tile - Beige Streaked and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	800 SF	
Ceramic Tile Mortar	2 <sup>nd</sup> Floor	No Asbestos Detected	80 SF	

**Table 10: Summary of Asbestos Survey – Building 10**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1138 and 1140 Claude Ct.  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Pipe Fitting Insulation (Hard Elbow)	Not Observed	Not Sampled (Assume ACM)	Not Quantified	Assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
Paper Wrap Pipe Insulation	Not Observed	Not Sampled (Assume ACM)	Not Quantified	Assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
<b>Window Caulk</b>	<b>Exterior</b>	<b>Chrysotile 2%</b>	<b>320 LF</b>	
Door Caulk	Exterior	No Asbestos Detected	80 LF	
<b>Eave Caulk</b>	<b>Exterior</b>	<b>Chrysotile 2%</b>	<b>80 LF</b>	
Drier Caulk	Exterior	No Asbestos Detected	2 SF	
Exterior Brick	Exterior	No Asbestos Detected	2,400 SF	
Exterior Mortar	Exterior	No Asbestos Detected	600 SF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15%</b>	<b>650 SF</b>	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

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SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 11: Summary of Asbestos Survey – Building 11**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1110, 1112, 1114 and 1116 Claude Ct  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer 1) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	

**Table 11: Summary of Asbestos Survey – Building 11**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1110, 1112, 1114 and 1116 Claude Ct  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Blue Sheeting (layer 2) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Floor Tile - Beige (layer 3) and Tan Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Floor Tile - Beige (layer 4)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
<b>Black Mastic beneath Floor Tile - Beige (layer 4)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 5%</b>	<b>3,200 SF</b>	
<b>Floor Tile - Brown (layer 5) and Brown Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 7% Chrysotile 5%</b>	<b>3,200 SF</b>	
Brown Vinyl Stair Tread and Tan Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	168 SF	
Drywall	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,500 SF	Associated drywall joint compound confirmed asbestos-containing material.
<b>Drywall Joint Compound</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>3,500 SF</b>	
<b>Pipe Fitting Insulation (Hard Elbows)</b>	<b>1<sup>st</sup> Floor</b>	<b>Amosite 2% Chrysotile 5%</b>	<b>40 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
Paper Wrap Pipe Insulation	Not Observed	Not Sampled (Assume ACM)	Not Quantified	Assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
Black Tar on Fiberglass Insulation	1 <sup>st</sup> Floor	No Asbestos Detected	120 LF	
<b>Canvas Vibration Damper</b>	<b>1<sup>st</sup> Floor: Furnace Room</b>	<b>Chrysotile 25%</b>	<b>50 LF</b>	
Black Vinyl Vibration Damper	1 <sup>st</sup> Floor	No Asbestos Detected	50 LF	
Ceramic Tile Mortar	2 <sup>nd</sup> Floor	No Asbestos Detected	240 SF	
Grey Sink Under Coating	1 <sup>st</sup> Floor: Kitchen	No Asbestos Detected	24 SF	
Door Caulk	Exterior	No Asbestos Detected	160 LF	

**Table 11: Summary of Asbestos Survey – Building 11**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1110, 1112, 1114 and 1116 Claude Ct  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Window Caulk	Exterior	Trace Chrysotile (<1%) Asbestos	512 LF	Not a regulated asbestos-containing material.
Eave Caulk	Exterior	No Asbestos Detected	100 LF	
Drier Vent Caulk	Exterior	No Asbestos Detected	4 LF	
<b>Transite Siding</b>	<b>Exterior</b>	<b>Chrysotile 15%</b>	<b>600 SF</b>	
Tar Paper beneath Transite Siding	Exterior	Trace Chrysotile (<1%) Asbestos	300 SF	Not a regulated asbestos-containing material.
Exterior Mortar	Exterior	No Asbestos Detected	1,000 SF	
Exterior Brick	Exterior	No Asbestos Detected	4,000 SF	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 12: Summary of Asbestos Survey – Building 12**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 293, 295, 297, 299, 301 and 303 East 12<sup>th</sup> Street  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer 1) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	5,000 SF	
Blue Sheeting (layer 2) and Yellow/Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	5,000 SF	
Floor Tile - Beige (layer 3) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	5,000 SF	
Floor Tile - Beige (layer 4)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	5,000 SF	Asbestos-containing mastic below.
<b>Brown Mastic beneath Floor Tile - Beige (layer 4)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 3%</b>	<b>5,000 SF</b>	

**Table 12: Summary of Asbestos Survey – Building 12**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 293, 295, 297, 299, 301 and 303 East 12<sup>th</sup> Street  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
<b>Floor Tile - Brown (layer 5a) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 7% Chrysotile 5%</b>	<b>5,000 SF</b>	
Floor Tile - Beige (layer 5b) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	5,000 SF	
<b>Floor Tile - Brown, (layer 6) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 7% Chrysotile 5%</b>	<b>5,000 SF</b>	<b>Floor Tile Mastic</b>
Felt Underlayment (layer 6)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	5,000 SF	
Brown Vinyl Stair Tread and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	252 SF	
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	5,250 SF	
<b>Pipe Fitting Insulation (Hard Elbow)</b>	<b>1<sup>st</sup> Floor</b>	<b>Chrysotile 63% Amosite 2%</b>	<b>130</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
<b>Duct Paper Wrap Insulation</b>	<b>1<sup>st</sup> Floor</b>	<b>Chrysotile 55%</b>	<b>300 LF</b>	
Sink Under Coating	1 <sup>st</sup> Floor Kitchen	No Asbestos Detected	36 SF	
Attic Insulation	Attic	No Asbestos Detected	2,400 SF	
Ceramic Tile Mortar	2 <sup>nd</sup> Floor	No Asbestos Detected	360 SF	
<b>Door Caulk</b>	<b>Exterior</b>	<b>Chrysotile 5%</b>	<b>220 LF</b>	
Window Caulk	Exterior	<i>Trace Chrysotile (&lt;1%) Asbestos</i>	900 LF	<i>Not a regulated asbestos-containing material.</i>
Dryer Vent Caulk	Exterior	No Asbestos Detected	6 LF	
Eave Caulk	Exterior	No Asbestos Detected	100 LF	
Exterior Mortar	Exterior	No Asbestos Detected	1,400 SF	
Exterior Brick	Exterior	No Asbestos Detected	5,600 SF	

**Table 12: Summary of Asbestos Survey – Building 12**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 293, 295, 297, 299, 301 and 303 East 12<sup>th</sup> Street  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Black Tar on Fiberglass Insulation	Not Observed	Not Sampled (Assume ACM)	Not Quantified	Assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
<b>Transite Siding</b>	<b>Exterior and Attic</b>	<b>Chrysotile 15%</b>	<b>1,200 SF</b>	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

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SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 13: Summary of Asbestos Survey – Building 13**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 281, 283, 285 and 287 East 12<sup>th</sup> Street  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (top layer 1) and Clear/Yellow Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Blue Sheeting (layer 2) and Clear/Yellow Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Floor Tile - Beige (layer 3) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Floor Tile - Beige (layer 4) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	
Floor Tile - Beige (layer 5)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	3,200 SF	Asbestos-containing mastic below.
<b>Black/Yellow Mastic beneath Floor Tile - Beige (layer 5)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>3,200 SF</b>	
<b>Floor Tile- Brown (layer 6) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 10% Chrysotile 5%</b>	<b>3,200 SF</b>	
Brown Vinyl Stair Tread	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	168 SF	
Ceramic Tile Mortar	2 <sup>nd</sup> Floor	No Asbestos Detected	240 SF	



**Table 13: Summary of Asbestos Survey – Building 13**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 281, 283, 285 and 287 East 12<sup>th</sup> Street  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	2,000 SF	
<b>Canvas Vibration Damper</b>	<b>1<sup>st</sup> Floor: Furnace Room</b>	<b>Chrysotile 50%</b>	<b>80 LF</b>	
Grey Sink Under Coating	1 <sup>st</sup> Floor Kitchen	No Asbestos Detected	24 SF	
Door Caulk	Exterior	No Asbestos Detected	220 LF	
<i>Siding Caulk</i>	<i>Exterior</i>	<i>Trace Chrysotile (&lt;1%) Asbestos</i>	<i>600 LF</i>	<i>Material at perimeter edge of transite. Not a regulated asbestos-containing material.</i>
Window Caulk	Exterior	No Asbestos Detected	600 LF	
Eave Caulk	Exterior	No Asbestos Detected	100 LF	
<i>Furnace Flu Insulation</i>	<i>1<sup>st</sup> Floor, Furnace Room</i>	<i>Trace Tremolite (&lt;1%) Asbestos</i>	<i>60 LF</i>	<i>Not a regulated asbestos-containing material.</i>
<b>Transite Siding</b>	<b>Exterior and Attic</b>	<b>Chrysotile 15%</b>	<b>1,000 SF</b>	
Exterior Mortar	Exterior	No Asbestos Detected	1,000 SF	
Exterior Brick	Exterior	No Asbestos Detected	4,000 SF	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 14: Summary of Asbestos Survey – Building 14**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1117, 1119, 1121 and 1123 Claude Ct  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
12"x12" Floor Tile, Black (top layer 1) and Clear Mastic	Unit 1119 - 1 <sup>st</sup> Floor	No Asbestos Detected	100 SF	
12"x12" Floor Tile, White (layer 1)	Unit 1119 - 1 <sup>st</sup> Floor	No Asbestos Detected	100 SF	
12"x12" Floor Tile, Beige Mottled (top layer 1) and Clear Mastic	1 <sup>st</sup> Floor	No Asbestos Detected	4,700 SF	
12"x12" Floor Tile -Beige Streak and Yellow Mastic	1 <sup>st</sup> Floor	No Asbestos Detected	4,700 SF	
Floor Tile - Beige (layer 2) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
Floor Tile - Beige (layer 3)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	Asbestos-containing mastic below.
<b>Black/Yellow Mastic beneath Floor Tile - Beige (layer 3)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>4,700 SF</b>	
<b>Floor Tile - Beige with Pattern (layer 4)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>4,700 SF</b>	
Tan Mastic beneath Floor Tile - Beige with Pattern (layer 4) and	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
Floor Tile, Brown (layer 5)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
<b>Floor Tile Brown (layer 3) and Black Mastic</b>	<b>Unit 1121 – 1<sup>st</sup> Floor Living Room</b>	<b>Chrysotile 2% Chrysotile 3%</b>	<b>200 SF</b>	
<b>Floor Tile Brown (layer 4) and Black Mastic</b>	<b>Unit 1121 – 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2% Chrysotile 3%</b>	<b>200 SF</b>	
<b>Floor Tile Brown (layer 4) and Black Mastic</b>	<b>Unit 1123 – 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2% Chrysotile 3%</b>	<b>200 SF</b>	
<b>Floor Tile Brown (layer 5) and Black Mastic</b>	<b>Unit 1119 – 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2% Chrysotile 3%</b>	<b>200 SF</b>	
Brown Vinyl Stair Tread and Tan Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	168 SF	
Drywall	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	2,000 SF	
<b>Drywall/Joint Compound</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>2,000 SF</b>	

**Table 14: Summary of Asbestos Survey – Building 14**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1117, 1119, 1121 and 1123 Claude Ct  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
<b>Pipe Fitting Insulation (Hard Elbows)</b>	<b>1<sup>st</sup> Floor</b>	<b>Amosite 2% Chrysotile 5%</b>	<b>60 LF</b>	<b>Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.</b>
Textured Wall	Unit 1119 - 1 <sup>st</sup> Floor: Living Room	No Asbestos Detected	150 SF	
<b>Canvas Vibration Damper</b>	<b>1<sup>st</sup> Floor: Furnace Room</b>	<b>Chrysotile 20%</b>	<b>80 LF</b>	
<b>Duct Sealant</b>	<b>1<sup>st</sup> Floor</b>	<b>Chrysotile 3%</b>	<b>200 LF</b>	
Exterior Mortar	Exterior	No Asbestos Detected	1,000 SF	
Concrete Brick Mortar	Interior	No Asbestos Detected	100 SF	
Wall Adhesive	1 <sup>st</sup> Floor, Kitchen	No Asbestos Detected	320 SF	
<b>Textured Ceiling</b>	<b>Unit 1119 - 2<sup>nd</sup> Floor</b>	<b>Chrysotile 2%</b>	<b>120 SF</b>	
Ceramic Tile Mortar	2 <sup>nd</sup> Floor	No Asbestos Detected	240 SF	
<b>Transite Siding</b>	<b>Exterior and Attic</b>	<b>Chrysotile 15%</b>	<b>1,000 SF</b>	
Exterior Brick	Exterior	No Asbestos Detected	3,000 SF	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

**Table 15: Summary of Asbestos Survey – Building 15**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1117, 1119, 1121, 1123, 1125, and 1131 Claude Ct  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Wood Floor Sheeting (layer 1) and Clear Adhesive	Unit 1119 - 1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	Asbestos-containing materials present below.
Blue Sheeting (layer 2) and Clear Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
12"x12" Floor Tile, Beige with Brown Streak (layer 1)	Unit 1119 - 1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
<b>Black Mastic beneath 12"x12" Floor Tile, Beige with Brown Streak (layer 1)</b>	<b>Unit 1119 - 1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 5%</b>	<b>4,700 SF</b>	
12"x12" Floor Tile - Beige Streak Pattern (layer 1) and Yellow Mastic	Unit 1125 and 1127 - 1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
Floor Tile - Beige (layer 2)	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
<b>Black Mastic beneath Floor Tile – Beige (layer 2)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 5%</b>	<b>4,700 SF</b>	
Leveling Compound (layer 3)	Unit 1131 - 1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
Floor Tile - Beige (layer 3) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
<b>Black Mastic beneath Floor Tile - Beige (layer 3)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 5%</b>	<b>4,700 SF</b>	
Floor Tile - Beige (layer 4) and Yellow Mastic	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	4,700 SF	
<b>Black Floor Covering (layer 4)</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 5%</b>	<b>4,700 SF</b>	
<b>Floor Tile - Brown (layer 5) and Black Mastic</b>	<b>1<sup>st</sup> and 2<sup>nd</sup> Floor</b>	<b>Chrysotile 10% Chrysotile 5%</b>	<b>4,700 SF</b>	
Brown vinyl Stair Tread and Yellow Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	168 SF	
Drywall/Joint Compound	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	2,000 SF	
Textured Wall	Unit 1125 - 2 <sup>nd</sup> Floor: Living Room	No Asbestos Detected	150 SF	
Grey Sink Under Coating	1 <sup>st</sup> Floor	No Asbestos Detected	24 SF	
Wall Adhesive	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	600 SF	

**Table 15: Summary of Asbestos Survey – Building 15**

Housing Authority of Cook County  
 John Mackler Homes/ Sunrise Apartments  
 Unit 1117, 1119, 1121, 1123, 1125, and 1131 Claude Ct  
 Chicago Heights, Illinois 60411

MATERIAL DESCRIPTION	MATERIAL LOCATION	ASBESTOS LABORATORY RESULT	ESTIMATED QUANTITY	COMMENTS
Duct Sealant	1 <sup>st</sup> Floor	Chrysotile 2%	200 LF	
Canvas Vibration Damper	1 <sup>st</sup> Floor	Chrysotile 50%	80 LF	
Black Tar on Fiberglass Insulation	1 <sup>st</sup> Floor	No Asbestos Detected	200 LF	
Pipe Fitting Insulation (Hard Elbows)	1 <sup>st</sup> Floor	Amosite 2% Chrysotile <1%	60 LF	Additional material assumed present within inaccessible interstitial wall/ceiling/soffit spaces.
Sink Caulk	1 <sup>st</sup> and 2 <sup>nd</sup> Floor	No Asbestos Detected	500 LF	
Ceramic Tile Mortar	2 <sup>nd</sup> Floor	No Asbestos Detected	240 SF	
Window Caulk	Exterior	No Asbestos Detected	720 LF	
Door Caulk	Exterior	No Asbestos Detected	136 LF	
Eave Caulk	Exterior	No Asbestos Detected	100 LF	
Drier Caulk	Exterior	No Asbestos Detected	4 LF	
Exterior Brick	Exterior	No Asbestos Detected	3,000 SF	
Exterior Mortar	Exterior	No Asbestos Detected	1,000 SF	
<b>Transite Siding</b>	<b>Exterior and Attic</b>	<b>Chrysotile 10%</b>	<b>2,000 SF</b>	

The Occupational Safety and Health Administration (OSHA), IDPH, and EPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

LF = Linear Feet

SF = Square Feet

**Bold indicates greater than 1% ACM.**

Quantities listed are estimates only. Actual quantities may vary due to hidden or concealed material locations.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

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Carnow, Conibear & Assoc., Ltd. (Carnow Conibear) was retained by the Housing Authority of Cook County to perform an asbestos-containing material survey at the John Mackler Homes and Sunrise Apartments located in Chicago Heights, Illinois. The asbestos survey included materials planned for demolition within the interior and exterior of each building structure.

Based on the survey results, Carnow Conibear makes the following conclusions and recommendations:

- Results of the survey and laboratory analysis confirm asbestos-containing materials are present at each residential structure surveyed.
- All future removal and/or demolition/renovation work involving the asbestos-containing materials shall be conducted by a licensed contractor in accordance with IDPH, IEPA, and OSHA regulations and requirements.
- Results of the survey and laboratory analysis identified several materials containing less than 1% asbestos. Materials containing less than 1% asbestos are not regulated by EPA for removal or disposal. However, OSHA Construction Industry Standard 29 CFR 1926.1101 rules and requirements are applicable.
- Incorporate the data from this report into future demolition/renovation documents regarding the presence of asbestos-containing materials.
- Dispose of all asbestos-containing waste in accordance with all applicable local, state, and federal regulations.
- Prepare asbestos-containing material design documents, including technical abatement specifications. Conduct on-site project monitoring during abatement, collect clearance samples, and develop abatement summary documentation prior to re-occupancy.
- Document all environmental work activities and retain records.

Carnow Conibear has applied prevailing industry standards and reasonable judgment and effort within the scope of work outlined in Carnow Conibear's proposal, while conducting the pre-demolition asbestos-containing material survey. The standards, judgment, and effort used by Carnow Conibear personnel to investigate, assess, and determine the presence of potential environmental hazards and liabilities associated with the subject building are consistent with requirements outlined in federal and state guidelines. Carnow Conibear makes no warranty, express or implied, that the findings and interpretations in this report are a complete representation hazards and liabilities, associated with the building. Findings presented in this report are only indicative of conditions present during the time of the investigation and cannot be used to predict potential future or previous health effects on building occupants. The services performed by Carnow Conibear on this project have been conducted in a professional manner consistent with industry standards at the time of testing. There may be materials that were not identified, because they were located in inaccessible areas and not available at the time of inspection. Carnow Conibear made every reasonable effort to locate mechanical systems and other inconspicuous materials.

The information contained in this report was prepared based upon specific test parameters requested by Housing Authority of Cook County and regulations in force at the time of the report. The information herein is only for the specific use of the Housing Authority of Cook County and Carnow Conibear. Carnow Conibear accepts no responsibility for the use, reuse, interpretation, or reliance by other parties on the information contained herein, unless written authorization has been obtained from Carnow Conibear. Carnow Conibear bears no responsibility for the implementation of recommendations included in this report unless specifically requested to do so by the Housing Authority of Cook County.

## **APPENDICES**

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- Appendix A Current License and Accreditation
- Appendix B Laboratory Results and Chain of Custody Documentation
- Appendix C Photographic Documentation



## **APPENDIX A**

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### Licenses and Certifications



**ASBESTOS  
PROFESSIONAL  
LICENSE**

ID NUMBER

100 - 07278

ISSUED

5/15/2020

EXPIRES

05/15/2021

**KENNETH A KARUHN**  
600 W VAN BUREN ST., STE 5  
CHICAGO, IL 60607

Environmental Health



**ENDORSEMENTS**

**TC EXPIRES**

INSPECTOR

9/13/2020

PROJECT MANAGER  
AIR SAMPLING PROFESSIONAL

10/19/2020

**Alteration of this license shall result in legal action**  
This license issued under authority of the State of Illinois  
Department of Public Health  
This license is valid only when accompanied by a valid  
training course certificate.



**ASBESTOS  
PROFESSIONAL  
LICENSE**

ID NUMBER

**100 - 07278**

ISSUED

**4/12/2019**

EXPIRES

**05/15/2020**

**KENNETH A KARUHN**  
600 W VAN BUREN ST., STE 5  
CHICAGO, IL 60607

Environmental Health



**ENDORSEMENTS**

**TC EXPIRES**

INSPECTOR

11/28/2019

PROJECT MANAGER  
AIR SAMPLING PROFESSIONAL

12/5/2019

**Alteration of this license shall result in legal action**  
This license issued under authority of the State of Illinois  
Department of Public Health  
This license is valid only when accompanied by a valid  
training course certificate.

2019



**OCCUPATIONAL TRAINING & SUPPLY, INC.**

7233 S. Adams Street ♦ Willowbrook, IL 60527 ♦ (630) 655-3900 ♦ [www.otssafety.com](http://www.otssafety.com)

# Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

**Kenneth Karuhn**

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency response Act (AHERA) and TSCA Title II.

Course Date: 9/13/2019

Exam Date: 9/13/2019

Expiration Date: 9/13/2020

Certificate Number: BIR1909131705

  
Kathy DeSalvo, Director

## **APPENDIX B**

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### Laboratory Results and Chain of Custody Documentation

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 1, E161190057  
**CEI LAB CODE:** A207166

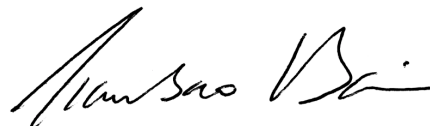
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director





CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 1, E161190057

LAB CODE: A207166

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 78

# SAMPLES >1% ASBESTOS: 15

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 1, E161190057

**LAB CODE:** A207166

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1-01		A111389	Brown	Wood Floor Sheeting	None Detected
1-02		A111390	Brown	Wood Floor Sheeting	None Detected
1-03		A111391	Brown	Wood Floor Sheeting	None Detected
1-04	Layer 1	A111392	Clear	Adhesive	None Detected
	Layer 2	A111392	Black	Adhesive	None Detected
1-05		A111393	Clear	Adhesive	None Detected
1-06		A111394	Clear	Adhesive	None Detected
1-07		A111395	Blue	Floor Sheeting	None Detected
1-08		A111396	Blue	Floor Sheeting	None Detected
1-09		A111397	Blue	Floor Sheeting	None Detected
1-10		A111398	Clear	Adhesive	None Detected
1-11		A111399	Clear	Adhesive	None Detected
1-12		A111400	Clear	Adhesive	None Detected
1-13	Layer 1	A111401	White	Leveling Compound	None Detected
	Layer 2	A111401	Tan	Adhesive	None Detected
1-14	Layer 1	A111402	White	Leveling Compound	None Detected
	Layer 2	A111402	Tan	Adhesive	None Detected
1-15	Layer 1	A111403	White	Leveling Compound	None Detected
	Layer 2	A111403	Tan	Adhesive	None Detected
1-16		A111404	Beige	Floor Tile	None Detected
1-17		A111405	Beige	Floor Tile	None Detected
1-18		A111406	Beige	Floor Tile	None Detected
1-19		A111407	Yellow	Mastic	None Detected
1-20		A111408	Yellow	Mastic	None Detected
1-21		A111409	Yellow	Mastic	None Detected
1-22		A111410	Beige	Floor Tile	None Detected
1-23		A111411	Beige	Floor Tile	None Detected
1-24		A111412	Beige	Floor Tile	None Detected
1-25		A111413	Yellow	Mastic	None Detected
1-26		A111414	Yellow	Mastic	None Detected
1-27		A111415	Yellow	Mastic	None Detected

PROJECT: Building 1, E161190057

LAB CODE: A207166

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1-28		A111416	Brown	Floor Tile	Chrysotile 8%
1-29		A111417	Brown	Floor Tile	Chrysotile 8%
1-30		A111418	Brown	Floor Tile	Chrysotile 8%
1-31		A111419	Yellow	Mastic	None Detected
1-32		A111420	Yellow	Mastic	None Detected
1-33		A111421	Yellow	Mastic	None Detected
1-34		A111422	White	Drywall/Joint Compound	None Detected
1-35		A111423	White	Drywall/Joint Compound	None Detected
1-36		A111424	White	Drywall/Joint Compound	None Detected
1-37		A111425	Brown	Stair Tread	None Detected
1-38		A111426	Brown	Stair Tread	None Detected
1-39		A111427	Brown	Stair Tread	None Detected
1-40		A111428	Tan	Adhesive	None Detected
1-41		A111429	Tan	Adhesive	None Detected
1-42		A111430	Tan	Adhesive	None Detected
1-43		A111431	Gray	Sink Undercoating	None Detected
1-44		A111432	Gray	Sink Undercoating	None Detected
1-45		A111433	Gray	Sink Undercoating	None Detected
1-46		A111434	White	Mortar	None Detected
1-47		A111435	White	Mortar	None Detected
1-48		A111436	White	Mortar	None Detected
1-49		A111437	White	Hard Elbow	Chrysotile 35%
1-50		A111438	White	Hard Elbow	Chrysotile 35%
1-51		A111439	White	Hard Elbow	Chrysotile 35%
1-52	Layer 1	A111440	Brown	Paper Wrap Insulation	Chrysotile 10%
	Layer 2	A111440	Black	Felt Paper	None Detected
1-53	Layer 1	A111441	Brown	Paper Wrap Insulation	Chrysotile 10%
	Layer 2	A111441	Black	Felt Paper	None Detected
1-54	Layer 1	A111442	Brown	Paper Wrap Insulation	Chrysotile 10%
	Layer 2	A111442	Black	Felt Paper	None Detected
1-55		A111443	White	Window Caulk	None Detected

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 1, E161190057

LAB CODE: A207166

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1-56		A111444	White	Window Caulk	None Detected
1-57		A111445	White	Window Caulk	None Detected
1-58		A111446	White	Eave Caulk	None Detected
1-59		A111447	White	Eave Caulk	None Detected
1-60		A111448	White	Eave Caulk	None Detected
1-61		A111449	Brown	Drier Vent Caulk	None Detected
1-62		A111450	Brown	Drier Vent Caulk	None Detected
1-63		A111451	Brown	Drier Vent Caulk	None Detected
1-64		A111452	Black	Gas Pipe Caulk	Chrysotile 5%
1-65		A111453	Black	Gas Pipe Caulk	Chrysotile 5%
1-66		A111454	Black	Gas Pipe Caulk	Chrysotile 5%
1-67		A111455	Black	Gas Pipe Wrap	None Detected
1-68		A111456	Black	Gas Pipe Wrap	None Detected
1-69		A111457	Black	Gas Pipe Wrap	None Detected
1-70		A111458	White,Gray	Transite Siding	Chrysotile 15%
1-71		A111459	White,Gray	Transite Siding	Chrysotile 15%
1-72		A111460	White,Gray	Transite Siding	Chrysotile 15%
1-73		A111461	Red	Exterior Brick	None Detected
1-74		A111462	Red	Exterior Brick	None Detected
1-75		A111463	Red	Exterior Brick	None Detected
1-76		A111464	Gray	Exterior Mortar	None Detected
1-77		A111465	Gray	Exterior Mortar	None Detected
1-78		A111466	Gray	Exterior Mortar	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207166  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>1-01</b> A111389	Wood Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl		None Detected
<b>1-02</b> A111390	Wood Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl		None Detected
<b>1-03</b> A111391	Wood Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl		None Detected
<b>1-04</b> Layer 1 A111392	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic		None Detected
Layer 2 A111392	Adhesive	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Mastic None Detected
<b>1-05</b> A111393	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic		None Detected
<b>1-06</b> A111394	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic		None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207166  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>1-07</b> A111395	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>1-08</b> A111396	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>1-09</b> A111397	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>1-10</b> A111398	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>1-11</b> A111399	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>1-12</b> A111400	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>1-13</b> Layer 1 A111401	Leveling Compound	Homogeneous White Non-fibrous Bound	60% 30% 10%	Binder Calc Carb Silicates	None Detected

# ASBESTOS BULK ANALYSIS

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207166  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A111401	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>1-14</b> Layer 1 A111402	Leveling Compound	Homogeneous White Non-fibrous Bound	60% 30% 10%	Binder Calc Carb Silicates	None Detected
Layer 2 A111402	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>1-15</b> Layer 1 A111403	Leveling Compound	Homogeneous White Non-fibrous Bound	60% 30% 10%	Binder Calc Carb Silicates	None Detected
Layer 2 A111403	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>1-16</b> A111404	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>1-17</b> A111405	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207166  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
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**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>1-18</b> A111406	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>1-19</b> A111407	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>1-20</b> A111408	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>1-21</b> A111409	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>1-22</b> A111410	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>1-23</b> A111411	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>1-24</b> A111412	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected



# ASBESTOS BULK ANALYSIS

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**Lab Code:** A207166  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
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**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>1-25</b> A111413	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>1-26</b> A111414	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>1-27</b> A111415	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>1-28</b> A111416	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	92%	Vinyl	<b>8% Chrysotile</b>
<b>1-29</b> A111417	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	92%	Vinyl	<b>8% Chrysotile</b>
<b>1-30</b> A111418	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	92%	Vinyl	<b>8% Chrysotile</b>
<b>1-31</b> A111419	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

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 600 W Van Buren St Ste 500  
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**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>1-32</b> A111420	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic		None Detected
<b>1-33</b> A111421	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic		None Detected
<b>1-34</b> A111422	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	75% 10% <1%	Gypsum Calc Carb Paint	None Detected
<b>1-35</b> A111423	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	75% 10% <1%	Gypsum Calc Carb Paint	None Detected
<b>1-36</b> A111424	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	75% 10% <1%	Gypsum Calc Carb Paint	None Detected
<b>1-37</b> A111425	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%		Vinyl		None Detected
<b>1-38</b> A111426	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%		Vinyl		None Detected

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>1-39</b> A111427	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%		Vinyl		None Detected
<b>1-40</b> A111428	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
<b>1-41</b> A111429	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
<b>1-42</b> A111430	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
<b>1-43</b> A111431	Sink Undercoating	Homogeneous Gray Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
<b>1-44</b> A111432	Sink Undercoating	Homogeneous Gray Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
<b>1-45</b> A111433	Sink Undercoating	Homogeneous Gray Fibrous Bound	2%	Cellulose	98%	Binder	None Detected

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>1-46</b> A111434	Mortar	Homogeneous White Non-fibrous Bound	80% 20%	Binder Silicates	None Detected
<b>1-47</b> A111435	Mortar	Homogeneous White Non-fibrous Bound	80% 20%	Binder Silicates	None Detected
<b>1-48</b> A111436	Mortar	Homogeneous White Non-fibrous Bound	80% 20%	Binder Silicates	None Detected
<b>1-49</b> A111437	Hard Elbow	Homogeneous White Fibrous Loose	65%	Binder	<b>35% Chrysotile</b>
<b>1-50</b> A111438	Hard Elbow	Homogeneous White Fibrous Loose	65%	Binder	<b>35% Chrysotile</b>
<b>1-51</b> A111439	Hard Elbow	Homogeneous White Fibrous Loose	65%	Binder	<b>35% Chrysotile</b>
<b>1-52</b> Layer 1 A111440	Paper Wrap Insulation	Heterogeneous Brown Fibrous Loosely Bound	85% 5%	Cellulose Fiberglass	<b>10% Chrysotile</b>

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous			%
Layer 2 A111440	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
<b>1-53</b> Layer 1 A111441	Paper Wrap Insulation	Heterogeneous Brown Fibrous Loosely Bound	85%	Cellulose	5%	Fiberglass	<b>10% Chrysotile</b>
Layer 2 A111441	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
<b>1-54</b> Layer 1 A111442	Paper Wrap Insulation	Heterogeneous Brown Fibrous Loosely Bound	85%	Cellulose	5%	Fiberglass	<b>10% Chrysotile</b>
Layer 2 A111442	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
<b>1-55</b> A111443	Window Caulk	Homogeneous White Non-fibrous Bound		98%	2%	Caulk Paint	None Detected
<b>1-56</b> A111444	Window Caulk	Homogeneous White Non-fibrous Bound		98%	2%	Caulk Paint	None Detected

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**Lab Code:** A207166  
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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>1-57</b> A111445	Window Caulk	Homogeneous White Non-fibrous Bound	98% 2%	Caulk Paint	None Detected
<b>1-58</b> A111446	Eave Caulk	Homogeneous White Non-fibrous Bound	98% 2%	Caulk Paint	None Detected
<b>1-59</b> A111447	Eave Caulk	Homogeneous White Non-fibrous Bound	98% 2%	Caulk Paint	None Detected
<b>1-60</b> A111448	Eave Caulk	Homogeneous White Non-fibrous Bound	98% 2%	Caulk Paint	None Detected
<b>1-61</b> A111449	Drier Vent Caulk	Homogeneous Brown Non-fibrous Bound	100%	Caulk	None Detected
<b>1-62</b> A111450	Drier Vent Caulk	Homogeneous Brown Non-fibrous Bound	100%	Caulk	None Detected
<b>1-63</b> A111451	Drier Vent Caulk	Homogeneous Brown Non-fibrous Bound	100%	Caulk	None Detected

# ASBESTOS BULK ANALYSIS

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**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>1-64</b> A111452	Gas Pipe Caulk	Homogeneous Black Non-fibrous Bound	95%		Tar		<b>5% Chrysotile</b>
<b>1-65</b> A111453	Gas Pipe Caulk	Homogeneous Black Non-fibrous Bound	95%		Tar		<b>5% Chrysotile</b>
<b>1-66</b> A111454	Gas Pipe Caulk	Homogeneous Black Non-fibrous Bound	95%		Tar		<b>5% Chrysotile</b>
<b>1-67</b> A111455	Gas Pipe Wrap	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
<b>1-68</b> A111456	Gas Pipe Wrap	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
<b>1-69</b> A111457	Gas Pipe Wrap	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
<b>1-70</b> A111458	Transite Siding	Homogeneous White, Gray Fibrous Bound	83%		Binder		<b>15% Chrysotile</b>
			2%		Paint		

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>1-71</b> A111459	Transite Siding	Homogeneous White,Gray Fibrous Bound	83% 2%	Binder Paint	<b>15% Chrysotile</b>
<b>1-72</b> A111460	Transite Siding	Homogeneous White,Gray Fibrous Bound	83% 2%	Binder Paint	<b>15% Chrysotile</b>
<b>1-73</b> A111461	Exterior Brick	Homogeneous Red Non-fibrous Bound	70% 30%	Silicates Binder	None Detected
<b>1-74</b> A111462	Exterior Brick	Homogeneous Red Non-fibrous Bound	70% 30%	Silicates Binder	None Detected
<b>1-75</b> A111463	Exterior Brick	Homogeneous Red Non-fibrous Bound	70% 30%	Silicates Binder	None Detected
<b>1-76</b> A111464	Exterior Mortar	Homogeneous Gray Non-fibrous Bound	75% 25%	Silicates Binder	None Detected
<b>1-77</b> A111465	Exterior Mortar	Homogeneous Gray Non-fibrous Bound	75% 25%	Silicates Binder	None Detected



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**Project:** Building 1, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS		ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous	%
1-78 A111466	Exterior Mortar	Homogeneous Gray Non-fibrous Bound	75%	Silicates Binder	None Detected

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*


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Information provided by customer includes customer sample ID and sample description.

**ANALYST:**

  
Ryan Steele

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

**LAB USE ONLY:**

CEI Lab Code: A707106 (79)

CEI Lab I.D. Range: A111389-A111466

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <u>Ken Karuhn</u>
Company: <u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:
Address: <u>600W. Van Buren Ste. 500</u>	Project Name: <u>Building 1</u>
<u>Chicago, IL 60607</u>	Project ID#: <u>E161190057</u>
Email: <u>KKaruhn@CCA Hd.com</u>	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:			<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time	
<u>Port [Signature]</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5 9:20</u>	

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207106

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 1
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
1-01	Wood Floor Sheeting Layer 2		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
1-02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-03	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-04	Adhesive Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-07	Blue Floor Sheeting Layer 2		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-10	Adhesive Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-13	Leveling Compound 1 <sup>st</sup> Fl Layer 3		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-16	Floor Tile, Beige 2 <sup>nd</sup> Fl. Layer 3		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-19	Mastic Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-21	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-22	Floor Tile, Beige Layer 4		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-23	↓ ↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-24	↓ ↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-25	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
1-27	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

AZ07104

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
1-28	Floor Tile, Brown Layer 5		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
1-29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-31	Mastic Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-34	Drywall/ Joint Compound		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-37	Stair Tread Brown		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-40	Adhesive Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-43	Sink Under Coating Gray		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-46	Mortar for 6"x6" Ceramic Tile		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-49	Hard Elbow		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-52	Paper Wrap Insulation		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1-53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
1-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207166

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building I
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM	TEM
1-55	Window Caulk		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-56	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-57	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-58	Eave Caulk		<input type="checkbox"/>	<input type="checkbox"/>
1-59	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-60	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-61	Drier Vent Caulk, Brown		<input type="checkbox"/>	<input type="checkbox"/>
1-62	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-63	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-64	Gas Pipe Caulk, Black		<input type="checkbox"/>	<input type="checkbox"/>
1-65	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-66	↓		<input type="checkbox"/>	<input type="checkbox"/>
1-67	Gas Pipe Wrap, Black		<input type="checkbox"/>	<input type="checkbox"/>
1-68	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-69	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-70	Transite Siding		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-71	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-72	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-73	Exterior Brick		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-74	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-75	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-76	Exterior Mortar		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-77	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1-78	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 2, E161190057  
**CEI LAB CODE:** A207167

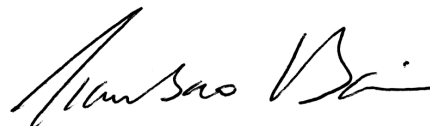
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 2, E161190057

LAB CODE: A207167

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 78

# SAMPLES >1% ASBESTOS: 27



PROJECT: Building 2, E161190057

LAB CODE: A207167

**METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020**

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
2-01		A111467	Brown,Gray	Floor Sheeting	None Detected
2-02		A111468	Brown,Gray	Floor Sheeting	None Detected
2-03		A111469	Brown,Gray	Floor Sheeting	None Detected
2-04		A111470	Clear	Adhesive	None Detected
2-05		A111471	Clear	Adhesive	None Detected
2-06		A111472	Clear	Adhesive	None Detected
2-07		A111473	Blue,Gray	Floor Sheeting	None Detected
2-08		A111474	Blue,Gray	Floor Sheeting	None Detected
2-09		A111475	Blue,Gray	Floor Sheeting	None Detected
2-10		A111476	Clear	Adhesive	None Detected
2-11		A111477	Clear	Adhesive	None Detected
2-12		A111478	Clear	Adhesive	None Detected
2-13		A111479	Beige	Floor Tile	None Detected
2-14		A111480	Beige	Floor Tile	None Detected
2-15		A111481	Beige	Floor Tile	None Detected
2-16		A111482	Yellow	Adhesive	None Detected
2-17	Layer 1	A111483	Yellow	Adhesive (type 1)	None Detected
	Layer 2	A111483	Black	Adhesive (type 2)	Chrysotile 2%
2-18	Layer 1	A111484	Yellow	Adhesive (type 1)	None Detected
	Layer 2	A111484	Black	Adhesive (type 2)	Chrysotile 2%
2-19	Layer 1	A111485	Tan	Adhesive	None Detected
	Layer 2	A111485	Beige	Floor Tile	None Detected
2-20	Layer 1	A111486	Tan	Adhesive	None Detected
	Layer 2	A111486	Beige	Floor Tile	None Detected
2-21	Layer 1	A111487	Tan	Adhesive	None Detected
	Layer 2	A111487	Beige	Floor Tile	None Detected
2-22		A111488	Tan	Adhesive	None Detected
2-23		A111489	Tan	Adhesive	None Detected
2-24		A111490	Tan	Adhesive	None Detected
2-25		A111491	Brown	Floor Tile	Chrysotile 10%
2-26		A111492	Brown	Floor Tile	Chrysotile 10%

PROJECT: Building 2, E161190057

LAB CODE: A207167

**METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020**

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
2-27		A111493	Brown	Floor Tile	<b>Chrysotile 10%</b>
2-28		A111494	Black	Adhesive	<b>Chrysotile 5%</b>
2-29		A111495	Black	Adhesive	<b>Chrysotile 5%</b>
2-30		A111496	Black	Adhesive	<b>Chrysotile 5%</b>
2-31	Layer 1	A111497	Tan	Adhesive	None Detected
	Layer 2	A111497	Beige	Floor Tile	<b>Chrysotile 3%</b>
2-32	Layer 1	A111498	Tan	Adhesive	None Detected
	Layer 2	A111498	Beige	Floor Tile	<b>Chrysotile 3%</b>
2-33	Layer 1	A111499	Tan	Adhesive	None Detected
	Layer 2	A111499	Beige	Floor Tile	<b>Chrysotile 3%</b>
2-34		A111500	Black	Adhesive	<b>Chrysotile 5%</b>
2-35		A111501	Black	Adhesive	<b>Chrysotile 5%</b>
2-36		A111502	Black	Adhesive	<b>Chrysotile 5%</b>
2-37	Layer 1	A111503	Off-white	Drywall	None Detected
	Layer 2	A111503	Off-white	Joint Compound	None Detected
2-38	Layer 1	A111504	Off-white	Drywall	None Detected
	Layer 2	A111504	Off-white	Joint Compound	None Detected
2-39	Layer 1	A111505	Off-white	Drywall	None Detected
	Layer 2	A111505	Off-white	Joint Compound	None Detected
2-40		A111506	Brown	Stair Tread	None Detected
2-41		A111507	Brown	Stair Tread	None Detected
2-42		A111508	Brown	Stair Tread	None Detected
2-43		A111509	Black,Tan	Adhesives	None Detected
2-44		A111510	Black,Tan	Adhesives	None Detected
2-45		A111511	Black,Tan	Adhesives	None Detected
2-46		A111512	Gray	Sink Undercoating	None Detected
2-47		A111513	Gray	Sink Undercoating	None Detected
2-48		A111514	Gray	Sink Undercoating	None Detected
2-49		A111515	Brown,Off-white	Duct Paper Wrap	<b>Chrysotile 15%</b>
2-50		A111516	Brown,Off-white	Duct Paper Wrap	<b>Chrysotile 15%</b>
2-51		A111517	Brown,Off-white	Duct Paper Wrap	<b>Chrysotile 15%</b>

**PROJECT:** Building 2, E161190057

**LAB CODE:** A207167

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
2-52		A111518	Gray,Off-white	Hard Elbow Insulation	<b>Chrysotile 55%</b>
2-53		A111519	Gray,Off-white	Hard Elbow Insulation	<b>Chrysotile 50%</b>
2-54		A111520	Gray,Off-white	Hard Elbow Insulation	<b>Chrysotile 55%</b>
2-55		A111521	Black,Gray	Door Caulk	None Detected
2-56		A111522	Black,Gray	Door Caulk	None Detected
2-57		A111523	Black,Gray	Door Caulk	None Detected
2-58		A111524	White	Eave Caulk	None Detected
2-59		A111525	White	Eave Caulk	None Detected
2-60		A111526	White	Eave Caulk	None Detected
2-61		A111527	Off-white	Window Caulk	None Detected
2-62		A111528	Off-white	Window Caulk	None Detected
2-63	Layer 1	A111529	Off-white	Window Caulk (type 1)	None Detected
	Layer 2	A111529	Off-white,Gray	Window Caulk (type 2)	<b>Chrysotile 2%</b>
2-64		A111530	Off-white,Red	Drier Caulk	None Detected
2-65		A111531	Off-white,Red	Drier Caulk	None Detected
2-66		A111532	Off-white,Red	Drier Caulk	None Detected
2-67		A111533	Black,Gray	Gas Pipe/meter Caulk	<b>Chrysotile 10%</b>
2-68		A111534	Black,Gray	Gas Pipe/meter Caulk	<b>Chrysotile 10%</b>
2-69		A111535	Black,Gray	Gas Pipe/meter Caulk	<b>Chrysotile 10%</b>
2-70		A111536	Gray,Off-white	Transite Siding	<b>Chrysotile 15%</b>
2-71		A111537	Gray,Off-white	Transite Siding	<b>Chrysotile 15%</b>
2-72		A111538	Gray,Off-white	Transite Siding	<b>Chrysotile 15%</b>
2-73		A111539	Red	Exterior Brick	None Detected
2-74		A111540	Red	Exterior Brick	None Detected
2-75		A111541	Red	Exterior Brick	None Detected
2-76		A111542	Gray	Exterior Mortar	None Detected
2-77		A111543	Gray	Exterior Mortar	None Detected
2-78		A111544	Gray	Exterior Mortar	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>2-01</b> A111467	Floor Sheeting	Heterogeneous Brown, Gray Fibrous Tightly Bound	3%	Synthetic Fiber	85% 12%	Vinyl Calc Carb	None Detected
<b>2-02</b> A111468	Floor Sheeting	Heterogeneous Brown, Gray Fibrous Tightly Bound	3%	Synthetic Fiber	85% 12%	Vinyl Calc Carb	None Detected
<b>2-03</b> A111469	Floor Sheeting	Heterogeneous Brown, Gray Fibrous Tightly Bound	3%	Synthetic Fiber	85% 12%	Vinyl Calc Carb	None Detected
<b>2-04</b> A111470	Adhesive	Heterogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-05</b> A111471	Adhesive	Heterogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-06</b> A111472	Adhesive	Heterogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-07</b> A111473	Floor Sheeting	Heterogeneous Blue, Gray Fibrous Tightly Bound	<1% 5%	Cellulose Fiberglass	90% 5%	Vinyl Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>2-08</b> A111474	Floor Sheeting	Heterogeneous Blue,Gray Fibrous Tightly Bound	<1% 5%	Cellulose Fiberglass	90% 5%	Vinyl Calc Carb	None Detected
<b>2-09</b> A111475	Floor Sheeting	Heterogeneous Blue,Gray Fibrous Tightly Bound	<1% 5%	Cellulose Fiberglass	90% 5%	Vinyl Calc Carb	None Detected
<b>2-10</b> A111476	Adhesive	Heterogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-11</b> A111477	Adhesive	Heterogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-12</b> A111478	Adhesive	Heterogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-13</b> A111479	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	95% 5%	Vinyl Calc Carb	None Detected
<b>2-14</b> A111480	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	95% 5%	Vinyl Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>2-15</b> A111481	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl 5% Calc Carb	None Detected
<b>2-16</b> A111482	Adhesive	Heterogeneous Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-17</b> Layer 1 A111483	Adhesive (type 1)	Heterogeneous Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A111483	Adhesive (type 2)	Heterogeneous Black Fibrous Bound	<1%	Cellulose	98%	Mastic	<b>2% Chrysotile</b>
Lab Notes: Small pieces of black mastic present.							
<b>2-18</b> Layer 1 A111484	Adhesive (type 1)	Heterogeneous Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A111484	Adhesive (type 2)	Heterogeneous Black Fibrous Bound	<1%	Cellulose	98%	Mastic	<b>2% Chrysotile</b>
Lab Notes: Small pieces of black mastic present.							
<b>2-19</b> Layer 1 A111485	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A111485	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl Calc Carb	None Detected
<b>2-20</b> Layer 1 A111486	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A111486	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl Calc Carb	None Detected
<b>2-21</b> Layer 1 A111487	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A111487	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl Calc Carb	None Detected
<b>2-22</b> A111488	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>2-23</b> A111489	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
2-24 A111490	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
2-25 A111491	Floor Tile	Heterogeneous Brown Fibrous Tightly Bound	<1%	Cellulose	85%	Vinyl 5% Calc Carb	10% Chrysotile
2-26 A111492	Floor Tile	Heterogeneous Brown Fibrous Tightly Bound	<1%	Cellulose	85%	Vinyl 5% Calc Carb	10% Chrysotile
2-27 A111493	Floor Tile	Heterogeneous Brown Fibrous Tightly Bound	<1%	Cellulose	85%	Vinyl 5% Calc Carb	10% Chrysotile
2-28 A111494	Adhesive	Heterogeneous Black Fibrous Bound	<1%	Cellulose	95%	Mastic	5% Chrysotile
2-29 A111495	Adhesive	Heterogeneous Black Fibrous Bound	<1%	Cellulose	95%	Mastic	5% Chrysotile
2-30 A111496	Adhesive	Heterogeneous Black Fibrous Bound	<1%	Cellulose	95%	Mastic	5% Chrysotile





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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>2-31</b> Layer 1 A111497	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A111497	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	90%	Vinyl Calc Carb	<b>3% Chrysotile</b>
<b>2-32</b> Layer 1 A111498	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A111498	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	90%	Vinyl Calc Carb	<b>3% Chrysotile</b>
<b>2-33</b> Layer 1 A111499	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
Layer 2 A111499	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	90%	Vinyl Calc Carb	<b>3% Chrysotile</b>
<b>2-34</b> A111500	Adhesive	Heterogeneous Black Fibrous Bound	<1%	Cellulose	95%	Mastic	<b>5% Chrysotile</b>



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>2-35</b> A111501	Adhesive	Heterogeneous Black Fibrous Bound	<1%	Cellulose	95%	Mastic	<b>5% Chrysotile</b>
<b>2-36</b> A111502	Adhesive	Heterogeneous Black Fibrous Bound	<1%	Cellulose	95%	Mastic	<b>5% Chrysotile</b>
<b>2-37</b> Layer 1 A111503	Drywall	Heterogeneous Off-white Fibrous Bound	25%	Cellulose	65%	Gypsum 10% Binder	None Detected
Layer 2 A111503	Joint Compound	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	85%	Calc Carb 10% Binder 5% Paint	None Detected
<b>2-38</b> Layer 1 A111504	Drywall	Heterogeneous Off-white Fibrous Bound	25%	Cellulose	65%	Gypsum 10% Binder	None Detected
Layer 2 A111504	Joint Compound	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	85%	Calc Carb 10% Binder 5% Paint	None Detected
<b>2-39</b> Layer 1 A111505	Drywall	Heterogeneous Off-white Fibrous Bound	25%	Cellulose	65%	Gypsum 10% Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
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**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A111505	Joint Compound	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	85%	Calc Carb 10% Binder 5% Paint	None Detected
<b>2-40</b> A111506	Stair Tread	Heterogeneous Brown Non-fibrous Fibrous,			95% 5%	Vinyl Calc Carb	None Detected
<b>2-41</b> A111507	Stair Tread	Heterogeneous Brown Non-fibrous Fibrous,			95% 5%	Vinyl Calc Carb	None Detected
<b>2-42</b> A111508	Stair Tread	Heterogeneous Brown Non-fibrous Fibrous,			95% 5%	Vinyl Calc Carb	None Detected
<b>2-43</b> A111509	Adhesives	Heterogeneous Black,Tan Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected
Lab Notes: Unable to separate mastics.							
<b>2-44</b> A111510	Adhesives	Heterogeneous Black,Tan Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected
Lab Notes: Unable to separate mastics.							
<b>2-45</b> A111511	Adhesives	Heterogeneous Black,Tan Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected
Lab Notes: Unable to separate mastics.							

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
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**Lab Code:** A207167  
**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>2-46</b> A111512	Sink Undercoating	Heterogeneous Gray Fibrous Bound	3%	Cellulose	75%	Mastic 12% Mica 10% Binder	None Detected
<b>2-47</b> A111513	Sink Undercoating	Heterogeneous Gray Fibrous Bound	3%	Cellulose	75%	Mastic 12% Mica 10% Binder	None Detected
<b>2-48</b> A111514	Sink Undercoating	Heterogeneous Gray Fibrous Bound	3%	Cellulose	75%	Mastic 12% Mica 10% Binder	None Detected
<b>2-49</b> A111515	Duct Paper Wrap	Heterogeneous Brown,Off-white Fibrous Bound	65%	Cellulose	10%	Binder 10% Paint	<b>15% Chrysotile</b>
<b>2-50</b> A111516	Duct Paper Wrap	Heterogeneous Brown,Off-white Fibrous Bound	65%	Cellulose	10%	Binder 10% Paint	<b>15% Chrysotile</b>
<b>2-51</b> A111517	Duct Paper Wrap	Heterogeneous Brown,Off-white Fibrous Bound	65%	Cellulose	10%	Binder 10% Paint	<b>15% Chrysotile</b>
<b>2-52</b> A111518	Hard Elbow Insulation	Heterogeneous Gray,Off-white Fibrous Bound	<1%	Cellulose	30%	Calc Carb 5% Paint 10% Binder	<b>55% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207167  
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**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>2-53</b> A111519	Hard Elbow Insulation	Heterogeneous Gray,Off-white Fibrous Bound	15%	Cellulose	25%	Calc Carb 5% Paint 5% Binder	<b>50% Chrysotile</b>
<b>2-54</b> A111520	Hard Elbow Insulation	Heterogeneous Gray,Off-white Fibrous Bound	<1%	Cellulose	30%	Calc Carb 5% Paint 10% Binder	<b>55% Chrysotile</b>
<b>2-55</b> A111521	Door Caulk	Heterogeneous Black,Gray Non-fibrous Bound	<1%	Cellulose	90%	Caulk 10% Binder	None Detected
<b>2-56</b> A111522	Door Caulk	Heterogeneous Black,Gray Non-fibrous Bound	<1%	Cellulose	90%	Caulk 10% Binder	None Detected
<b>2-57</b> A111523	Door Caulk	Heterogeneous Black,Gray Non-fibrous Bound	<1%	Cellulose	90%	Caulk 10% Binder	None Detected
<b>2-58</b> A111524	Eave Caulk	Heterogeneous White Non-fibrous Bound	<1%	Cellulose	90%	Caulk 10% Binder	None Detected
<b>2-59</b> A111525	Eave Caulk	Heterogeneous White Non-fibrous Bound	<1%	Cellulose	90%	Caulk 10% Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
2-60 A111526	Eave Caulk	Heterogeneous White Non-fibrous Bound	<1%	Cellulose	90%	Caulk	None Detected
					10%	Binder	
2-61 A111527	Window Caulk	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	90%	Caulk	None Detected
			3%	Fiberglass	7%	Binder	
2-62 A111528	Window Caulk	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	90%	Caulk	None Detected
			3%	Fiberglass	7%	Binder	
2-63 Layer 1 A111529	Window Caulk (type 1)	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	90%	Caulk	None Detected
			3%	Fiberglass	7%	Binder	
Layer 2 A111529	Window Caulk (type 2)	Heterogeneous Off-white, Gray Fibrous Bound	<1%	Cellulose	85%	Caulk	<b>2% Chrysotile</b>
					8%	Binder	
2-64 A111530	Drier Caulk	Heterogeneous Off-white, Red Non-fibrous Bound	<1%	Cellulose	90%	Caulk	None Detected
					5%	Binder	
2-65 A111531	Drier Caulk	Heterogeneous Off-white, Red Non-fibrous Bound	<1%	Cellulose	90%	Caulk	None Detected
					5%	Binder	
					5%	Paint	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207167  
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**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>2-66</b> A111532	Drier Caulk	Heterogeneous Off-white,Red Non-fibrous Bound	<1%	Cellulose	90%	Caulk 5% Binder 5% Paint	None Detected
<b>2-67</b> A111533	Gas Pipe/meter Caulk	Heterogeneous Black,Gray Fibrous Bound	<1%	Cellulose	80%	Tar 10% Binder	<b>10% Chrysotile</b>
<b>2-68</b> A111534	Gas Pipe/meter Caulk	Heterogeneous Black,Gray Fibrous Bound	<1%	Cellulose	80%	Tar 10% Binder	<b>10% Chrysotile</b>
<b>2-69</b> A111535	Gas Pipe/meter Caulk	Heterogeneous Black,Gray Fibrous Bound	<1%	Cellulose	80%	Tar 10% Binder	<b>10% Chrysotile</b>
<b>2-70</b> A111536	Transite Siding	Heterogeneous Gray,Off-white Fibrous Bound	<1%	Cellulose	70%	Calc Carb 10% Binder 5% Paint	<b>15% Chrysotile</b>
<b>2-71</b> A111537	Transite Siding	Heterogeneous Gray,Off-white Fibrous Bound	<1%	Cellulose	70%	Calc Carb 10% Binder 5% Paint	<b>15% Chrysotile</b>
<b>2-72</b> A111538	Transite Siding	Heterogeneous Gray,Off-white Fibrous Bound	<1%	Cellulose	70%	Calc Carb 10% Binder 5% Paint	<b>15% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207167  
**Date Received:** 06-05-20  
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**Project:** Building 2, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %		
			Fibrous	Non-Fibrous				
<b>2-73</b> A111539	Exterior Brick	Heterogeneous Red Non-fibrous Tightly Bound	20%	Silicates	80%	Binder	None Detected	
<b>2-74</b> A111540	Exterior Brick	Heterogeneous Red Non-fibrous Tightly Bound	20%	Silicates	80%	Binder	None Detected	
<b>2-75</b> A111541	Exterior Brick	Heterogeneous Red Non-fibrous Tightly Bound	20%	Silicates	80%	Binder	None Detected	
<b>2-76</b> A111542	Exterior Mortar	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb	55% Silicates 10% Binder	None Detected
<b>2-77</b> A111543	Exterior Mortar	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb	55% Silicates 10% Binder	None Detected
<b>2-78</b> A111544	Exterior Mortar	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	35%	Calc Carb	55% Silicates 10% Binder	None Detected



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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb         = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

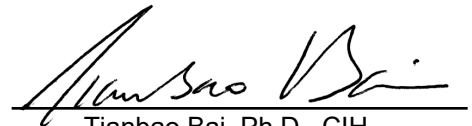
Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_



Scott Minyard

**APPROVED BY:** \_\_\_\_\_



Tianbao Bai, Ph.D., CIH  
Laboratory Director



AZ07167

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 2
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-01	Wood Floor Sheeting Kitchen	L 1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
2-02	↓ 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-03	↓ 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-04	Adhesive Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-07	Blue Floor Sheeting Kitchen	L 2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-08	↓ 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-09	↓ 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-10	Adhesive Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-13	Floor Tile Beige, Kitchen	L 3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-16	Mastic Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-19	Floor Tile, Beige, Kitchen	L-4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-21	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-22	Mastic Associated		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-25	Floor Tile Brown, 2 <sup>nd</sup> Fl	L-4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
2-27	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 2
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM	TEM
2-28	Mastic Associated		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2-29	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-30	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-31	Floor Tile, Beige, Kitchen	L-5	<input type="checkbox"/>	<input type="checkbox"/>
2-32	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-33	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-34	Mastic Associated		<input type="checkbox"/>	<input type="checkbox"/>
2-35	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-36	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-37	Drywall/Joint Compound		<input type="checkbox"/>	<input type="checkbox"/>
2-38	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-39	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-40	Stair Tread, Brown		<input type="checkbox"/>	<input type="checkbox"/>
2-41	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-42	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-43	Adhesive Associated		<input type="checkbox"/>	<input type="checkbox"/>
2-44	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-45	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-46	Sink Under Coating, Kitchen		<input type="checkbox"/>	<input type="checkbox"/>
2-47	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-48	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-49	Duct Paper Wrap, Furnace Rm		<input type="checkbox"/>	<input type="checkbox"/>
2-50	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-51	↓		<input type="checkbox"/>	<input type="checkbox"/>
2-52	Hard Elbow, Furnace Rm		<input type="checkbox"/>	<input type="checkbox"/>
2-53	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2-54	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 2
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
2-55	Door Caulk		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
2-56	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-57	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-58	Eave Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-59	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-60	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-61	Window Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-62	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-63	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-64	Drier Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-65	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-66	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-67	Gas Pipe/meter Caulk, black		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-68	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-69	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-70	Transite Siding		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-71	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-72	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-73	Exterior Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-74	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-75	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-76	Exterior Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
2-77	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
2-78	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

July 9, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 3, E161190057  
**CEI LAB CODE:** A207168

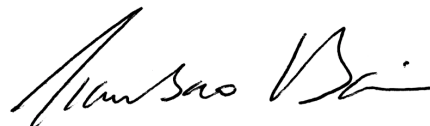
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

**AMENDED**

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**ASBESTOS ANALYTICAL REPORT**  
**By: Polarized Light Microscopy**

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 3, E161190057

LAB CODE: A207168

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 57

# SAMPLES >1% ASBESTOS: 16



CEI

AMENDED

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 3, E161190057

LAB CODE: A207168

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
3-01		A111545	Beige	Floor Tile	None Detected
3-02		A111546	Beige	Floor Tile	None Detected
3-03		A111547	Beige	Floor Tile	None Detected
3-04		A111548	Tan, Yellow	Mastic	None Detected
3-05		A111549	Tan, Yellow	Mastic	None Detected
3-06		A111550	Tan, Yellow	Mastic	None Detected
3-07		A111551	Beige	Floor Tile	None Detected
3-08		A111552	Beige	Floor Tile	None Detected
3-09		A111553	Beige	Floor Tile	None Detected
3-10		A111554	Tan, Yellow	Mastic	None Detected
3-11		A111555	Tan, Yellow	Mastic	None Detected
3-12		A111556	Tan, Yellow	Mastic	None Detected
3-13		A111557	Off-white	Leveling Compound	None Detected
3-14		A111558	Off-white	Leveling Compound	None Detected
3-15		A111559	Off-white	Leveling Compound	None Detected
3-16	Layer 1	A111560	Tan	Mastic	None Detected
	Layer 2	A111560	Beige	Floor Tile	None Detected
3-17	Layer 1	A111561	Tan	Mastic	None Detected
	Layer 2	A111561	Beige	Floor Tile	None Detected
3-18	Layer 1	A111562	Tan	Mastic	None Detected
	Layer 2	A111562	Beige	Floor Tile	None Detected
3-19		A111563	Yellow	Mastic	None Detected
3-20		A111564	Yellow	Mastic	None Detected
3-21		A111565	Yellow	Mastic	None Detected
3-22	Layer 1	A111566	Yellow	Mastic	None Detected
	Layer 2	A111566	Beige	Floor Tile	Chrysotile 2%
3-23	Layer 1	A111567	Yellow	Mastic	None Detected
	Layer 2	A111567	Beige	Floor Tile	Chrysotile 2%
3-24	Layer 1	A111568	Yellow	Mastic	None Detected
	Layer 2	A111568	Beige	Floor Tile	Chrysotile 2%
3-25		A111569	Black	Mastic	Chrysotile 3%





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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 3, E161190057

LAB CODE: A207168

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
3-26		A111570	Black	Mastic	Chrysotile 3%
3-27		A111571	Black	Mastic	Chrysotile 3%
3-28		A111572	Off-white,Brown	Drywall	None Detected
3-29		A111573	Off-white,Brown	Drywall	None Detected
3-30		A111574	Off-white	Joint Compound	Chrysotile 2%
3-31		A111575	Tan	Sink Undercoating	None Detected
3-32		A111576	Tan	Sink Undercoating	None Detected
3-33		A111577	Tan	Sink Undercoating	None Detected
3-34		A111578	White,Brown	Duct Wrap	Chrysotile 65%
3-35		A111579	White,Brown	Duct Wrap	Chrysotile 65%
3-36		A111580	White,Brown	Duct Wrap	Chrysotile 65%
3-37		A111581	Brown	Paper Pipe Wrap	Chrysotile 10%
3-38		A111582	Brown	Paper Pipe Wrap	Chrysotile 10%
3-39		A111583	Brown	Paper Pipe Wrap	Chrysotile 10%
3-40		A111584	White,Gray	Window Caulking	None Detected
3-41		A111585	White,Gray	Window Caulking	None Detected
3-42		A111586	White,Gray	Window Caulking	None Detected
3-43		A111587	White,Tan	Door Caulking	None Detected
3-44		A111588	White,Tan	Door Caulking	None Detected
3-45		A111589	White,Tan	Door Caulking	None Detected
3-46		A111590	Tan	Drier Caulk	None Detected
3-47		A111591	Tan	Drier Caulk	None Detected
3-48		A111592	Tan	Drier Caulk	None Detected
3-49		A111593	Red	Brick	None Detected
3-50		A111594	Red	Brick	None Detected
3-51		A111595	Red	Brick	None Detected
3-52		A111596	Gray	Mortar	None Detected
3-53		A111597	Gray	Mortar	None Detected
3-54		A111598	Gray	Mortar	None Detected
3-55		A111599	Gray,White	Transite	Chrysotile 15%
3-56		A111600	Gray,White	Transite	Chrysotile 15%



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 3, E161190057

**LAB CODE:** A207168

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
3-57		A111601	Gray,White	Transite	<b>Chrysotile 15%</b>



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**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>3-01</b> A111545	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-02</b> A111546	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-03</b> A111547	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-04</b> A111548	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-05</b> A111549	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-06</b> A111550	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-07</b> A111551	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected



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**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
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Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>3-08</b> A111552	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-09</b> A111553	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-10</b> A111554	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-11</b> A111555	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-12</b> A111556	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-13</b> A111557	Leveling Compound	Homogeneous Off-white Non-fibrous Bound	65% 35% <1%	Binder Silicates Mastic	None Detected
<b>3-14</b> A111558	Leveling Compound	Homogeneous Off-white Non-fibrous Bound	65% 35% <1%	Binder Silicates Mastic	None Detected



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AMENDED

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>3-15</b> A111559	Leveling Compound	Homogeneous	65%	Binder	None Detected
		Off-white	35%	Silicates	
		Non-fibrous	<1%	Mastic	
		Bound			
<b>3-16</b> Layer 1 A111560	Mastic	Homogeneous	100%	Mastic	None Detected
		Tan			
		Non-fibrous Bound			
Layer 2 A111560	Floor Tile	Homogeneous	100%	Vinyl	None Detected
		Beige			
		Non-fibrous Tightly Bound			
<b>3-17</b> Layer 1 A111561	Mastic	Homogeneous	100%	Mastic	None Detected
		Tan			
		Non-fibrous Bound			
Layer 2 A111561	Floor Tile	Homogeneous	100%	Vinyl	None Detected
		Beige			
		Non-fibrous Tightly Bound			
<b>3-18</b> Layer 1 A111562	Mastic	Homogeneous	100%	Mastic	None Detected
		Tan			
		Non-fibrous Bound			
Layer 2 A111562	Floor Tile	Homogeneous	100%	Vinyl	None Detected
		Beige			
		Non-fibrous Tightly Bound			

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**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>3-19</b> A111563	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-20</b> A111564	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-21</b> A111565	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-22</b> Layer 1 A111566	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111566	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	98%	Vinyl	<b>2% Chrysotile</b>
<b>3-23</b> Layer 1 A111567	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111567	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	98%	Vinyl	<b>2% Chrysotile</b>

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**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>3-24</b> Layer 1 A111568	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic		None Detected
Layer 2 A111568	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	98%	Vinyl		<b>2% Chrysotile</b>
<b>3-25</b> A111569	Mastic	Homogeneous Black Non-fibrous Bound	97%	Tar		<b>3% Chrysotile</b>
<b>3-26</b> A111570	Mastic	Homogeneous Black Non-fibrous Bound	97%	Tar		<b>3% Chrysotile</b>
<b>3-27</b> A111571	Mastic	Homogeneous Black Non-fibrous Bound	97%	Tar		<b>3% Chrysotile</b>
<b>3-28</b> A111572	Drywall	Heterogeneous Off-white, Brown Fibrous Bound	20%	Cellulose	80%	Gypsum None Detected
Lab Notes: No joint compound present.						
<b>3-29</b> A111573	Drywall	Heterogeneous Off-white, Brown Fibrous Bound	20%	Cellulose	80%	Gypsum None Detected
Lab Notes: No joint compound present.						

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**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous	Binder	
<b>3-30</b> A111574	Joint Compound	Heterogeneous Off-white Non-fibrous Bound	<1%	Cellulose	53%	Binder	<b>2% Chrysotile</b>
<b>3-31</b> A111575	Sink Undercoating	Homogeneous Tan Fibrous Bound	25%	Cellulose	75%	Binder	None Detected
<b>3-32</b> A111576	Sink Undercoating	Homogeneous Tan Fibrous Bound	25%	Cellulose	75%	Binder	None Detected
<b>3-33</b> A111577	Sink Undercoating	Homogeneous Tan Fibrous Bound	25%	Cellulose	75%	Binder	None Detected
<b>3-34</b> A111578	Duct Wrap	Heterogeneous White,Brown Fibrous Bound	15%	Cellulose	20%	Binder	<b>65% Chrysotile</b>
<b>3-35</b> A111579	Duct Wrap	Heterogeneous White,Brown Fibrous Bound	15%	Cellulose	20%	Binder	<b>65% Chrysotile</b>
<b>3-36</b> A111580	Duct Wrap	Heterogeneous White,Brown Fibrous Bound	15%	Cellulose	20%	Binder	<b>65% Chrysotile</b>



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**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
<b>3-37</b> A111581	Paper Pipe Wrap	Homogeneous Brown Fibrous Loosely Bound	50%	Cellulose	40% <1%	Binder Paint	<b>10% Chrysotile</b>
<b>3-38</b> A111582	Paper Pipe Wrap	Homogeneous Brown Fibrous Loosely Bound	50%	Cellulose	40% <1%	Binder Paint	<b>10% Chrysotile</b>
<b>3-39</b> A111583	Paper Pipe Wrap	Homogeneous Brown Fibrous Loosely Bound	50%	Cellulose	40% <1%	Binder Paint	<b>10% Chrysotile</b>
<b>3-40</b> A111584	Window Caulking	Heterogeneous White, Gray Non-fibrous Bound			95% 5%	Caulk Paint	None Detected
<b>3-41</b> A111585	Window Caulking	Heterogeneous White, Gray Non-fibrous Bound			95% 5%	Caulk Paint	None Detected
<b>3-42</b> A111586	Window Caulking	Heterogeneous White, Gray Non-fibrous Bound			95% 5%	Caulk Paint	None Detected
<b>3-43</b> A111587	Door Caulking	Heterogeneous White, Tan Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Paint	None Detected



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AMENDED

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
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Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>3-44</b> A111588	Door Caulking	Heterogeneous White, Tan Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Paint	None Detected
<b>3-45</b> A111589	Door Caulking	Heterogeneous White, Tan Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Paint	None Detected
<b>3-46</b> A111590	Drier Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
<b>3-47</b> A111591	Drier Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
<b>3-48</b> A111592	Drier Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
<b>3-49</b> A111593	Brick	Homogeneous Red Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
<b>3-50</b> A111594	Brick	Homogeneous Red Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>3-51</b> A111595	Brick	Homogeneous Red Non-fibrous Bound	<1%	Cellulose	70%	Silicates	None Detected
				30%	Binder		
<b>3-52</b> A111596	Mortar	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60%	Silicates	None Detected
				40%	Binder		
<b>3-53</b> A111597	Mortar	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60%	Silicates	None Detected
				40%	Binder		
<b>3-54</b> A111598	Mortar	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60%	Silicates	None Detected
				40%	Binder		
<b>3-55</b> A111599	Transite	Heterogeneous Gray,White Fibrous Bound			85%	Binder	<b>15% Chrysotile</b>
					<1%	Paint	
<b>3-56</b> A111600	Transite	Heterogeneous Gray,White Fibrous Bound			85%	Binder	<b>15% Chrysotile</b>
					<1%	Paint	
<b>3-57</b> A111601	Transite	Heterogeneous Gray,White Fibrous Bound			85%	Binder	<b>15% Chrysotile</b>
					<1%	Paint	

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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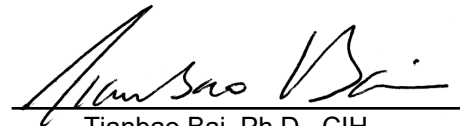
Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_



Kathryn Wescott

**APPROVED BY:** \_\_\_\_\_



Tianbao Bai, Ph.D., CIH  
Laboratory Director

**AMENDED due to Client Wishes to Change Specifications for Analysis - Separate Compositing Layers**



A207108

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 3
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-01	12x12 FT Beige Mottled Kitchen	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
3-02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-03	↓ 2nd Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-04	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-07	12x12 FT Beige w/specks Kitchen	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-10	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-13	Leveling Compound 2 <sup>nd</sup> Fl. Bath	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-16	FT, Beige Kitchen	L-3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-19	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-21	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-22	FT Beige Kitchen	L-4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-25	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
3-27	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207168

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 3
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM	TEM
3-28	Drywall/Joint		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
29	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
30	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
31	Sink Under Coating		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
32	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
33	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
34	Paper Duct Wrap		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
35	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
36	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
37	Paper Pipe Wrap		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
38	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
39	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
40	Window Caulk		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
41	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
42	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
43	Door Caulk		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
44	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
45	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
46	Drier Caulk		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
47	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
48	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
49	Exterior Brick		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
50	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
51	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
52	Exterior Mortar		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
53	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
3-5.4	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>





**Kassidy Harris**

---

KW

**From:** Ken Karuhn <kkaruhn@caltcd.com>  
**Sent:** Wednesday, July 8, 2020 4:42 PM  
**To:** #US73\_Asbestos  
**Cc:** Derek Lantry  
**Subject:** Joint compound analysis

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Please separate the drywall joint compound from the drywall and analyze the joint compound layer only (1 day TAT) for the following samples:

CCA Project Number: E161190057

A207168 - Sample 3-30 (building 3)

A207171 – Samples 6-43 and 6-44 (building 6)

A207176 – Samples 11-37, 11-38, and 11-39 (building 11)

A207179 – Samples 14-65, 14-66, and 14-67 (building 14)

Thanks,  
Ken

**CARNOW  
CONIBEAR**



**Kenneth Karuhn**  
Environmental Hygienist

600 West Van Buren Street, Suite 500

Chicago, Illinois 60607

t: 312.762.2976 c: 312.656.6057

e: kkaruhn@caltcd.com w: caltcd.com

Notify us [here](#) to report this email as spam.

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 3, E161190057  
**CEI LAB CODE:** A207168

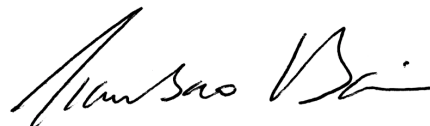
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 3, E161190057

LAB CODE: A207168

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 57

# SAMPLES >1% ASBESTOS: 15



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 3, E161190057

LAB CODE: A207168

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
3-01		A111545	Beige	Floor Tile	None Detected
3-02		A111546	Beige	Floor Tile	None Detected
3-03		A111547	Beige	Floor Tile	None Detected
3-04		A111548	Tan, Yellow	Mastic	None Detected
3-05		A111549	Tan, Yellow	Mastic	None Detected
3-06		A111550	Tan, Yellow	Mastic	None Detected
3-07		A111551	Beige	Floor Tile	None Detected
3-08		A111552	Beige	Floor Tile	None Detected
3-09		A111553	Beige	Floor Tile	None Detected
3-10		A111554	Tan, Yellow	Mastic	None Detected
3-11		A111555	Tan, Yellow	Mastic	None Detected
3-12		A111556	Tan, Yellow	Mastic	None Detected
3-13		A111557	Off-white	Leveling Compound	None Detected
3-14		A111558	Off-white	Leveling Compound	None Detected
3-15		A111559	Off-white	Leveling Compound	None Detected
3-16	Layer 1	A111560	Tan	Mastic	None Detected
	Layer 2	A111560	Beige	Floor Tile	None Detected
3-17	Layer 1	A111561	Tan	Mastic	None Detected
	Layer 2	A111561	Beige	Floor Tile	None Detected
3-18	Layer 1	A111562	Tan	Mastic	None Detected
	Layer 2	A111562	Beige	Floor Tile	None Detected
3-19		A111563	Yellow	Mastic	None Detected
3-20		A111564	Yellow	Mastic	None Detected
3-21		A111565	Yellow	Mastic	None Detected
3-22	Layer 1	A111566	Yellow	Mastic	None Detected
	Layer 2	A111566	Beige	Floor Tile	Chrysotile 2%
3-23	Layer 1	A111567	Yellow	Mastic	None Detected
	Layer 2	A111567	Beige	Floor Tile	Chrysotile 2%
3-24	Layer 1	A111568	Yellow	Mastic	None Detected
	Layer 2	A111568	Beige	Floor Tile	Chrysotile 2%
3-25		A111569	Black	Mastic	Chrysotile 3%

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 3, E161190057

LAB CODE: A207168

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
3-26		A111570	Black	Mastic	Chrysotile 3%
3-27		A111571	Black	Mastic	Chrysotile 3%
3-28		A111572	Off-white,Brown	Drywall	None Detected
3-29		A111573	Off-white,Brown	Drywall	None Detected
3-30		A111574	Off-white,Brown	Drywall/Joint Compound	Chrysotile <1%
3-31		A111575	Tan	Sink Undercoating	None Detected
3-32		A111576	Tan	Sink Undercoating	None Detected
3-33		A111577	Tan	Sink Undercoating	None Detected
3-34		A111578	White,Brown	Duct Wrap	Chrysotile 65%
3-35		A111579	White,Brown	Duct Wrap	Chrysotile 65%
3-36		A111580	White,Brown	Duct Wrap	Chrysotile 65%
3-37		A111581	Brown	Paper Pipe Wrap	Chrysotile 10%
3-38		A111582	Brown	Paper Pipe Wrap	Chrysotile 10%
3-39		A111583	Brown	Paper Pipe Wrap	Chrysotile 10%
3-40		A111584	White,Gray	Window Caulking	None Detected
3-41		A111585	White,Gray	Window Caulking	None Detected
3-42		A111586	White,Gray	Window Caulking	None Detected
3-43		A111587	White,Tan	Door Caulking	None Detected
3-44		A111588	White,Tan	Door Caulking	None Detected
3-45		A111589	White,Tan	Door Caulking	None Detected
3-46		A111590	Tan	Drier Caulk	None Detected
3-47		A111591	Tan	Drier Caulk	None Detected
3-48		A111592	Tan	Drier Caulk	None Detected
3-49		A111593	Red	Brick	None Detected
3-50		A111594	Red	Brick	None Detected
3-51		A111595	Red	Brick	None Detected
3-52		A111596	Gray	Mortar	None Detected
3-53		A111597	Gray	Mortar	None Detected
3-54		A111598	Gray	Mortar	None Detected
3-55		A111599	Gray,White	Transite	Chrysotile 15%
3-56		A111600	Gray,White	Transite	Chrysotile 15%



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 3, E161190057

**LAB CODE:** A207168

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
3-57		A111601	Gray,White	Transite	<b>Chrysotile 15%</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>3-01</b> A111545	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-02</b> A111546	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-03</b> A111547	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-04</b> A111548	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-05</b> A111549	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-06</b> A111550	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-07</b> A111551	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>3-08</b> A111552	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-09</b> A111553	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-10</b> A111554	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-11</b> A111555	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-12</b> A111556	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-13</b> A111557	Leveling Compound	Homogeneous Off-white Non-fibrous Bound	65% 35% <1%	Binder Silicates Mastic	None Detected
<b>3-14</b> A111558	Leveling Compound	Homogeneous Off-white Non-fibrous Bound	65% 35% <1%	Binder Silicates Mastic	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS		ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous	%
<b>3-15</b> A111559	Leveling Compound	Homogeneous Off-white Non-fibrous Bound	65%	Binder 35% Silicates <1% Mastic	None Detected
<b>3-16</b> Layer 1 A111560	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111560	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-17</b> Layer 1 A111561	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111561	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>3-18</b> Layer 1 A111562	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111562	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>3-19</b> A111563	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-20</b> A111564	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-21</b> A111565	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>3-22</b> Layer 1 A111566	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111566	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	98%	Vinyl	<b>2% Chrysotile</b>
<b>3-23</b> Layer 1 A111567	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111567	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	98%	Vinyl	<b>2% Chrysotile</b>



CEI

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>3-24</b> Layer 1 A111568	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic		None Detected
Layer 2 A111568	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	98%	Vinyl		<b>2% Chrysotile</b>
<b>3-25</b> A111569	Mastic	Homogeneous Black Non-fibrous Bound	97%	Tar		<b>3% Chrysotile</b>
<b>3-26</b> A111570	Mastic	Homogeneous Black Non-fibrous Bound	97%	Tar		<b>3% Chrysotile</b>
<b>3-27</b> A111571	Mastic	Homogeneous Black Non-fibrous Bound	97%	Tar		<b>3% Chrysotile</b>
<b>3-28</b> A111572	Drywall	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	80%	Gypsum None Detected
Lab Notes: No joint compound present.						
<b>3-29</b> A111573	Drywall	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	80%	Gypsum None Detected
Lab Notes: No joint compound present.						

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>3-30</b> A111574	Drywall/Joint Compound	Heterogeneous Off-white,Brown Fibrous Bound	20%	Cellulose	75%	Gypsum 5% Calc Carb <1% Paint	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound only; <1% overall							
<b>3-31</b> A111575	Sink Undercoating	Homogeneous Tan Fibrous Bound	25%	Cellulose	75%	Binder	None Detected
<b>3-32</b> A111576	Sink Undercoating	Homogeneous Tan Fibrous Bound	25%	Cellulose	75%	Binder	None Detected
<b>3-33</b> A111577	Sink Undercoating	Homogeneous Tan Fibrous Bound	25%	Cellulose	75%	Binder	None Detected
<b>3-34</b> A111578	Duct Wrap	Heterogeneous White,Brown Fibrous Bound	15%	Cellulose	20%	Binder	65% Chrysotile
<b>3-35</b> A111579	Duct Wrap	Heterogeneous White,Brown Fibrous Bound	15%	Cellulose	20%	Binder	65% Chrysotile
<b>3-36</b> A111580	Duct Wrap	Heterogeneous White,Brown Fibrous Bound	15%	Cellulose	20%	Binder	65% Chrysotile

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>3-37</b> A111581	Paper Pipe Wrap	Homogeneous Brown Fibrous Loosely Bound	50%	Cellulose	40%	Binder <1% Paint	<b>10% Chrysotile</b>
<b>3-38</b> A111582	Paper Pipe Wrap	Homogeneous Brown Fibrous Loosely Bound	50%	Cellulose	40%	Binder <1% Paint	<b>10% Chrysotile</b>
<b>3-39</b> A111583	Paper Pipe Wrap	Homogeneous Brown Fibrous Loosely Bound	50%	Cellulose	40%	Binder <1% Paint	<b>10% Chrysotile</b>
<b>3-40</b> A111584	Window Caulking	Heterogeneous White, Gray Non-fibrous Bound			95%	Caulk 5% Paint	None Detected
<b>3-41</b> A111585	Window Caulking	Heterogeneous White, Gray Non-fibrous Bound			95%	Caulk 5% Paint	None Detected
<b>3-42</b> A111586	Window Caulking	Heterogeneous White, Gray Non-fibrous Bound			95%	Caulk 5% Paint	None Detected
<b>3-43</b> A111587	Door Caulking	Heterogeneous White, Tan Non-fibrous Bound	<1%	Cellulose	95%	Caulk 5% Paint	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207168  
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**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>3-44</b> A111588	Door Caulking	Heterogeneous White, Tan Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Paint	None Detected
<b>3-45</b> A111589	Door Caulking	Heterogeneous White, Tan Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Paint	None Detected
<b>3-46</b> A111590	Drier Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
<b>3-47</b> A111591	Drier Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
<b>3-48</b> A111592	Drier Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
<b>3-49</b> A111593	Brick	Homogeneous Red Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
<b>3-50</b> A111594	Brick	Homogeneous Red Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207168  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 3, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>3-51</b> A111595	Brick	Homogeneous Red Non-fibrous Bound	<1%	Cellulose	70%	Silicates	None Detected
					30%	Binder	
<b>3-52</b> A111596	Mortar	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60%	Silicates	None Detected
					40%	Binder	
<b>3-53</b> A111597	Mortar	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60%	Silicates	None Detected
					40%	Binder	
<b>3-54</b> A111598	Mortar	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60%	Silicates	None Detected
					40%	Binder	
<b>3-55</b> A111599	Transite	Heterogeneous Gray,White Fibrous Bound			85%	Binder	<b>15% Chrysotile</b>
					<1%	Paint	
<b>3-56</b> A111600	Transite	Heterogeneous Gray,White Fibrous Bound			85%	Binder	<b>15% Chrysotile</b>
					<1%	Paint	
<b>3-57</b> A111601	Transite	Heterogeneous Gray,White Fibrous Bound			85%	Binder	<b>15% Chrysotile</b>
					<1%	Paint	

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb        = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

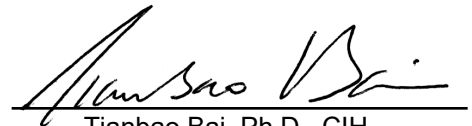
Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_



Kathryn Wescott

**APPROVED BY:** \_\_\_\_\_



Tianbao Bai, Ph.D., CIH  
Laboratory Director





730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:	
CEI Lab Code:	A207108 (57)
CEI Lab I.D. Range:	A 111545 - A111681

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Ken Karuhn
Company: Carnow Conibear & Associates Ltd	Email / Tel:
Address: 600W. Van Buren Ste. 500	Project Name: Building 3
Chicago, IL. 60607	Project ID#: E161190057
Email: KKaruhn@CCA1td.com	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: IL

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>Ken Karuhn</i>		JB	6/5/20 9:20

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207168

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 3
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-01	12x12 FT Beige Mottled Kitchen	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
3-02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-03	↓ 2nd Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-04	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-07	12x12 FT Beige w/Spcks Kitchen	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-10	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-13	Leveling Compound 2 <sup>nd</sup> Fl. Bath	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-16	FT, Beige Kitchen	L-3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-19	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-21	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-22	FT Beige Kitchen	L-4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-25	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
3-27	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A20-7108

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 3
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-28	Drywall/Joint		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
31	Sink Under Coating		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
34	Paper Duct Wrap		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
37	Paper Pipe Wrap		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
40	Window Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
43	Door Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
46	Drier Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
49	Exterior Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
52	Exterior Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
3-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>



June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 4, E161190057  
**CEI LAB CODE:** A207169

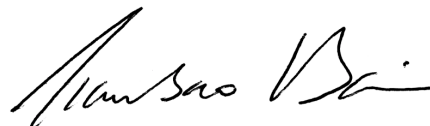
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 4, E161190057

LAB CODE: A207169

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 87

# SAMPLES >1% ASBESTOS: 29

**PROJECT:** Building 4, E161190057

**LAB CODE:** A207169

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
4-01		A111602	Brown	Floor Sheeting	None Detected
4-02		A111603	Brown	Floor Sheeting	None Detected
4-03		A111604	Brown	Floor Sheeting	None Detected
4-04		A111605	Clear	Adhesive	None Detected
4-05		A111606A	Clear	Adhesive	None Detected
		A111606B	Gray	Floor Sheeting	None Detected
4-06		A111607	Clear	Adhesive	None Detected
4-07		A111608	Blue	Floor Sheeting	None Detected
4-08		A111609	Blue	Floor Sheeting	None Detected
4-09		A111610	Blue	Floor Sheeting	None Detected
4-10		A111611	Clear	Adhesive	None Detected
4-11		A111612	Clear	Adhesive	None Detected
4-12		A111613	Clear	Adhesive	None Detected
4-13		A111614	Beige	Floor Tile	None Detected
4-14		A111615	Beige	Floor Tile	None Detected
4-15		A111616	Beige	Floor Tile	None Detected
4-16		A111617	Yellow	Mastic	None Detected
4-17		A111618	Yellow	Mastic	None Detected
4-18		A111619	Yellow	Mastic	None Detected
4-19		A111620	Beige	Floor Tile	None Detected
4-20		A111621	Beige	Floor Tile	None Detected
4-21		A111622	Beige	Floor Tile	None Detected
4-22		A111623	Yellow,Black	Mastic	<b>Chrysotile 2%</b>
4-23		A111624	Yellow,Black	Mastic	<b>Chrysotile 2%</b>
4-24		A111625	Yellow	Mastic	None Detected
4-25		A111626	Beige	Floor Tile	<b>Chrysotile 3%</b>
4-26		A111627	Beige	Floor Tile	<b>Chrysotile 3%</b>
4-27		A111628	Beige	Floor Tile	<b>Chrysotile 3%</b>
4-28		A111629	Black	Mastic	<b>Chrysotile 10%</b>
4-29		A111630	Black	Mastic	<b>Chrysotile 10%</b>
4-30		A111631	Black	Mastic	<b>Chrysotile 10%</b>

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 4, E161190057

LAB CODE: A207169

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
4-31		A111632	Brown	Floor Tile	Chrysotile 10%
4-32		A111633	Brown	Floor Tile	Chrysotile 10%
4-33		A111634	Brown	Floor Tile	Chrysotile 10%
4-34	Layer 1	A111635	Black	Mastic	Chrysotile 10%
	Layer 2	A111635	Black	Tarpaper	None Detected
4-35	Layer 1	A111636	Black	Mastic	Chrysotile 10%
	Layer 2	A111636	Black	Tarpaper	None Detected
4-36	Layer 1	A111637	Black	Mastic	Chrysotile 10%
	Layer 2	A111637	Black	Tarpaper	None Detected
4-37		A111638	Gray	Sink Undercoating	None Detected
4-38		A111639	Gray	Sink Undercoating	None Detected
4-39		A111640	Gray	Sink Undercoating	None Detected
4-40		A111641	White	Drywall/Joint Compound	None Detected
4-41		A111642	White	Drywall	None Detected
4-42		A111643	White	Drywall/Joint Compound	None Detected
4-43		A111644	White	Textured Ceiling	None Detected
4-44		A111645	White	Textured Ceiling	None Detected
4-45		A111646	White	Textured Ceiling	None Detected
4-46		A111647	Off-white	Canvas Duct	Chrysotile 40%
4-47		A111648	Off-white	Canvas Duct	Chrysotile 40%
4-48		A111649	Off-white	Canvas Duct	Chrysotile 40%
4-49		A111650	White	Insulation	Amosite 2%
4-50		A111651	White	Insulation	Amosite 2%
4-51		A111652	White	Insulation	Amosite 2%
4-52		A111653	Black	Vibration Dampener	None Detected
4-53		A111654	Black	Vibration Dampener	None Detected
4-54		A111655	Black	Vibration Dampener	None Detected
4-55		A111656	Brown	Stair Tread	None Detected
4-56		A111657	Brown	Stair Tread	None Detected
4-57		A111658	Brown	Stair Tread	None Detected
4-58		A111659	Yellow	Adhesive	None Detected



**PROJECT:** Building 4, E161190057

**LAB CODE:** A207169

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
4-59		A111660	Yellow	Adhesive	None Detected
4-60		A111661	Yellow	Adhesive	None Detected
4-61		A111662	White	Mortar	None Detected
4-62		A111663	White	Mortar	None Detected
4-63		A111664	White	Mortar	None Detected
4-64		A111665	Brown	Door Caulk	None Detected
4-65		A111666	Brown	Door Caulk	None Detected
4-66		A111667	Brown	Door Caulk	None Detected
4-67		A111668	White	Window Caulking	<b>Chrysotile 2%</b>
4-68		A111669	White	Window Caulking	<b>Chrysotile 2%</b>
4-69		A111670	White	Window Caulking	<b>Chrysotile 2%</b>
4-70		A111671	White	Gas Meter Caulk	<b>Chrysotile 2%</b>
4-71		A111672	Black	Gas Meter Caulk	<b>Chrysotile 10%</b>
4-72		A111673	White	Gas Meter Caulk	<b>Chrysotile 2%</b>
4-73		A111674	Off-white	Dryer Caulk	None Detected
4-74		A111675	Brown	Dryer Caulk	None Detected
4-75		A111676	Off-white	Dryer Caulk	None Detected
4-76		A111677	White	Caulking	None Detected
4-77		A111678	White	Caulking	None Detected
4-78		A111679	White	Caulking	None Detected
4-79		A111680	Red	Brick	None Detected
4-80		A111681	Red	Brick	None Detected
4-81		A111682	Red	Brick	None Detected
4-82		A111683	Gray	Brick Mortar	None Detected
4-83		A111684	Gray	Brick Mortar	None Detected
4-84		A111685	Gray	Brick Mortar	None Detected
4-85		A111686	Gray	Transite	<b>Chrysotile 15%</b>
4-86		A111687	Gray	Transite	<b>Chrysotile 15%</b>
4-87		A111688	Gray	Transite	<b>Chrysotile 15%</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
4-01 A111602	Floor Sheeting	Heterogeneous Brown Fibrous Bound	3%	Synthetic Fiber 97%	Vinyl	None Detected
4-02 A111603	Floor Sheeting	Heterogeneous Brown Fibrous Bound	3%	Synthetic Fiber 97%	Vinyl	None Detected
4-03 A111604	Floor Sheeting	Heterogeneous Brown Fibrous Bound	3%	Synthetic Fiber 97%	Vinyl	None Detected
4-04 A111605	Adhesive	Homogeneous Clear Non-fibrous Bound		100%	Mastic	None Detected
4-05 A111606A	Adhesive	Homogeneous Clear Non-fibrous Bound		100%	Mastic	None Detected
A111606B	Floor Sheeting	Heterogeneous Gray Non-fibrous Bound	3%	Synthetic Fiber 97%	Vinyl	None Detected
4-06 A111607	Adhesive	Homogeneous Clear Non-fibrous Bound		100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>4-07</b> A111608	Floor Sheeting	Heterogeneous Blue Fibrous Bound	3%	Synthetic Fiber 97%	Vinyl	None Detected
<b>4-08</b> A111609	Floor Sheeting	Heterogeneous Blue Fibrous Bound	3%	Synthetic Fiber 97%	Vinyl	None Detected
<b>4-09</b> A111610	Floor Sheeting	Heterogeneous Blue Fibrous Bound	3%	Synthetic Fiber 97%	Vinyl	None Detected
<b>4-10</b> A111611	Adhesive	Homogeneous Clear Non-fibrous Bound		100%	Mastic	None Detected
<b>4-11</b> A111612	Adhesive	Homogeneous Clear Non-fibrous Bound		100%	Mastic	None Detected
<b>4-12</b> A111613	Adhesive	Homogeneous Clear Non-fibrous Bound		100%	Mastic	None Detected
<b>4-13</b> A111614	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound		80% 20%	Vinyl Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
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**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>4-14</b> A111615	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>4-15</b> A111616	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>4-16</b> A111617	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>4-17</b> A111618	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>4-18</b> A111619	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>4-19</b> A111620	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>4-20</b> A111621	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80% 20%	Vinyl Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
4-21 A111622	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80%	Vinyl	20%	Calc Carb	None Detected
4-22 A111623	Mastic	Homogeneous Yellow,Black Non-fibrous Tightly Bound	2%	Cellulose	96%	Mastic	2% Chrysotile
Lab Notes: Unable to separate black and yellow mastics.							
4-23 A111624	Mastic	Homogeneous Yellow,Black Non-fibrous Tightly Bound	2%	Cellulose	96%	Mastic	2% Chrysotile
Lab Notes: Unable to separate black and yellow mastics.							
4-24 A111625	Mastic	Homogeneous Yellow Non-fibrous Tightly Bound	2%	Cellulose	98%	Mastic	None Detected
Lab Notes: Unable to separate black and yellow mastics.							
4-25 A111626	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80%	Vinyl	17%	Calc Carb	3% Chrysotile
4-26 A111627	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80%	Vinyl	17%	Calc Carb	3% Chrysotile
4-27 A111628	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	80%	Vinyl	17%	Calc Carb	3% Chrysotile

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>4-28</b> A111629	Mastic	Homogeneous Black Fibrous Bound	90%	Tar	<b>10% Chrysotile</b>
<b>4-29</b> A111630	Mastic	Homogeneous Black Fibrous Bound	90%	Tar	<b>10% Chrysotile</b>
<b>4-30</b> A111631	Mastic	Homogeneous Black Fibrous Bound	90%	Tar	<b>10% Chrysotile</b>
<b>4-31</b> A111632	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	90%	Vinyl	<b>10% Chrysotile</b>
<b>4-32</b> A111633	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	90%	Vinyl	<b>10% Chrysotile</b>
<b>4-33</b> A111634	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	90%	Vinyl	<b>10% Chrysotile</b>
<b>4-34</b> Layer 1 A111635	Mastic	Homogeneous Black Fibrous Bound	90%	Tar	<b>10% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous	Tar	
Layer 2 A111635	Tarpaper	Homogeneous Black Fibrous Bound	50%	Cellulose	50%	Tar	None Detected
<b>4-35</b> Layer 1 A111636	Mastic	Homogeneous Black Fibrous Bound			90%	Tar	<b>10% Chrysotile</b>
Layer 2 A111636	Tarpaper	Homogeneous Black Fibrous Bound	50%	Cellulose	50%	Tar	None Detected
<b>4-36</b> Layer 1 A111637	Mastic	Homogeneous Black Fibrous Bound			90%	Tar	<b>10% Chrysotile</b>
Layer 2 A111637	Tarpaper	Homogeneous Black Fibrous Bound	50%	Cellulose	50%	Tar	None Detected
<b>4-37</b> A111638	Sink Undercoating	Homogeneous Gray Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
<b>4-38</b> A111639	Sink Undercoating	Homogeneous Gray Fibrous Bound	2%	Cellulose	98%	Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
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**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>4-39</b> A111640	Sink Undercoating	Homogeneous Gray Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
<b>4-40</b> A111641	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15% 5%	Cellulose Fiberglass	70% 5%	Gypsum Calc Carb Paint	None Detected
<b>4-41</b> A111642	Drywall	Heterogeneous White Fibrous Bound	15% 5%	Cellulose Fiberglass	80%	Gypsum	None Detected
Lab Notes: No joint compound present.							
<b>4-42</b> A111643	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15% 5%	Cellulose Fiberglass	70% 5%	Gypsum Calc Carb Paint	None Detected
<b>4-43</b> A111644	Textured Ceiling	Heterogeneous White Non-fibrous Bound			95% 5%	Calc Carb Paint	None Detected
<b>4-44</b> A111645	Textured Ceiling	Heterogeneous White Non-fibrous Bound			95% 5%	Calc Carb Paint	None Detected
<b>4-45</b> A111646	Textured Ceiling	Heterogeneous White Non-fibrous Bound			95% 5%	Calc Carb Paint	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Lab Code:** A207169  
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**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>4-46</b> A111647	Canvas Duct	Heterogeneous Off-white Fibrous Bound	30%	Fiberglass	30%	Binder	<b>40% Chrysotile</b>
<b>4-47</b> A111648	Canvas Duct	Heterogeneous Off-white Fibrous Bound	30%	Fiberglass	30%	Binder	<b>40% Chrysotile</b>
<b>4-48</b> A111649	Canvas Duct	Heterogeneous Off-white Fibrous Bound	30%	Fiberglass	30%	Binder	<b>40% Chrysotile</b>
<b>4-49</b> A111650	Insulation	Heterogeneous White Fibrous Bound	20%	Fiberglass	78%	Binder	<b>2% Amosite</b>
<b>4-50</b> A111651	Insulation	Heterogeneous White Fibrous Bound	20%	Fiberglass	78%	Binder	<b>2% Amosite</b>
<b>4-51</b> A111652	Insulation	Heterogeneous White Fibrous Bound	20%	Fiberglass	78%	Binder	<b>2% Amosite</b>
<b>4-52</b> A111653	Vibration Dampener	Heterogeneous Black Fibrous Bound	40%	Fiberglass	60%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>4-53</b> A111654	Vibration Dampener	Heterogeneous Black Fibrous Bound	40%	Fiberglass	60%	Vinyl	None Detected
<b>4-54</b> A111655	Vibration Dampener	Heterogeneous Black Fibrous Bound	40%	Fiberglass	60%	Vinyl	None Detected
<b>4-55</b> A111656	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>4-56</b> A111657	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>4-57</b> A111658	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>4-58</b> A111659	Adhesive	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>4-59</b> A111660	Adhesive	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>4-60</b> A111661	Adhesive	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>4-61</b> A111662	Mortar	Homogeneous White Non-fibrous Bound			100%	Binder	None Detected
<b>4-62</b> A111663	Mortar	Homogeneous White Non-fibrous Bound			100%	Binder	None Detected
<b>4-63</b> A111664	Mortar	Homogeneous White Non-fibrous Bound			100%	Binder	None Detected
<b>4-64</b> A111665	Door Caulk	Heterogeneous Brown Non-fibrous Bound			85%	Calc Carb	None Detected
					10%	Silicates	
					5%	Paint	
<b>4-65</b> A111666	Door Caulk	Heterogeneous Brown Non-fibrous Bound			85%	Calc Carb	None Detected
					10%	Silicates	
					5%	Paint	
<b>4-66</b> A111667	Door Caulk	Heterogeneous Brown Non-fibrous Bound			85%	Calc Carb	None Detected
					10%	Silicates	
					5%	Paint	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>4-67</b> A111668	Window Caulking	Heterogeneous White Fibrous Bound	93% 5%	Caulk Paint	<b>2% Chrysotile</b>
<b>4-68</b> A111669	Window Caulking	Heterogeneous White Fibrous Bound	93% 5%	Caulk Paint	<b>2% Chrysotile</b>
<b>4-69</b> A111670	Window Caulking	Heterogeneous White Fibrous Bound	93% 5%	Caulk Paint	<b>2% Chrysotile</b>
<b>4-70</b> A111671	Gas Meter Caulk	Heterogeneous White Fibrous Bound	93% 5%	Caulk Paint	<b>2% Chrysotile</b>
<b>4-71</b> A111672	Gas Meter Caulk	Heterogeneous Black Fibrous Bound	90%	Tar	<b>10% Chrysotile</b>
<b>4-72</b> A111673	Gas Meter Caulk	Heterogeneous White Fibrous Bound	93% 5%	Caulk Paint	<b>2% Chrysotile</b>
<b>4-73</b> A111674	Dryer Caulk	Heterogeneous Off-white Fibrous Bound	100%	Caulk	None Detected

# ASBESTOS BULK ANALYSIS

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>4-74</b> A111675	Dryer Caulk	Heterogeneous Brown Fibrous Bound	100%	Caulk	None Detected
<b>4-75</b> A111676	Dryer Caulk	Heterogeneous Off-white Non-fibrous Bound	100%	Caulk	None Detected
<b>4-76</b> A111677	Caulking	Heterogeneous White Non-fibrous Bound	95% 5%	Caulk Paint	None Detected
<b>4-77</b> A111678	Caulking	Heterogeneous White Non-fibrous Bound	95% 5%	Caulk Paint	None Detected
<b>4-78</b> A111679	Caulking	Heterogeneous White Non-fibrous Bound	95% 5%	Caulk Paint	None Detected
<b>4-79</b> A111680	Brick	Homogeneous Red Non-fibrous Tightly Bound	90% 10%	Binder Silicates	None Detected
<b>4-80</b> A111681	Brick	Homogeneous Red Non-fibrous Tightly Bound	90% 10%	Binder Silicates	None Detected

# ASBESTOS BULK ANALYSIS

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207169  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 4, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
4-81 A111682	Brick	Homogeneous	90%	Binder	None Detected
		Red	10%	Silicates	
		Non-fibrous			
		Tightly Bound			
4-82 A111683	Brick Mortar	Homogeneous	70%	Binder	None Detected
		Gray	30%	Silicates	
		Non-fibrous			
		Bound			
4-83 A111684	Brick Mortar	Homogeneous	70%	Binder	None Detected
		Gray	30%	Silicates	
		Non-fibrous			
		Bound			
4-84 A111685	Brick Mortar	Homogeneous	70%	Binder	None Detected
		Gray	30%	Silicates	
		Non-fibrous			
		Bound			
4-85 A111686	Transite	Homogeneous	80%	Binder	15% Chrysotile
		Gray	5%	Paint	
		Fibrous			
		Bound			
4-86 A111687	Transite	Homogeneous	80%	Binder	15% Chrysotile
		Gray	5%	Paint	
		Fibrous			
		Bound			
4-87 A111688	Transite	Homogeneous	80%	Binder	15% Chrysotile
		Gray	5%	Paint	
		Fibrous			
		Bound			

---

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb        = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

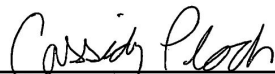
---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

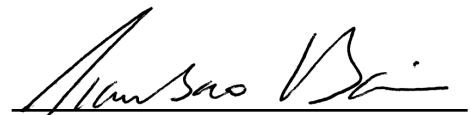
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Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_

  
Cassidy Ploch

**APPROVED BY:** \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY: (87)  
 CEI Lab Code: A707109  
 CEI Lab I.D. Range: A111002 - A111088

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <u>Ken Karuhn</u>
Company: <u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:
Address: <u>600W. Van Buren Ste. 500</u>	Project Name: <u>Building 4</u>
<u>Chicago, IL. 60607</u>	Project ID#: <u>E161190057</u>
Email: <u>KKaruhn@CCALtd.com</u>	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples		
		<b>Relinquished By:</b>	<b>Date/Time</b>	<b>Received By:</b>
<u>Ken Karuhn</u>		<u>6-1-20</u>	<u>JB</u>	<u>6/5/20 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_



A207109

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 4
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-01	Wood Floor Sheeting Kitchen 1114c	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-02	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-03	↓ 2 <sup>nd</sup> Fl		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-04	Adhesive Assoc.		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-05	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-06	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-07	Blue Floor Sheeting, Kitchen 1114c	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-09	↓ 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-10	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-13	FT, Beige w/ Brown Streaks, Kitchen 1114c	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-15	↓ 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-16	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-19	FT Beige Kitchen 1114c	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-21	↓ 2 <sup>nd</sup> Floor		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-22	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-25	FT Beige, Kitchen, 1114c	L5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-27	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207169

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 4
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-28	Mastic Assoc.	25	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-29	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-30	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-31	PT Brown, 2 <sup>nd</sup> Fl 1114C	25	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-34	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-37	Sink Under Coating 1114C		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-40	Drywall Joint 1114C		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-43	Textured Ceiling 1114C 2 <sup>nd</sup> Fl.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-46	Canvas Duct 1112		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-49	Hard Elbow 1112		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-52	Black Vibration Damper		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
4-53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207109

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 4
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
4-55	Brown Stair Tread 1114C		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
4-56	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-57	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-58	Adhesive Assoc		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-59	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-60	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-61	6"x6" Ceramic Mortar 2 <sup>nd</sup> fl		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-62	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-63	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-64	Door Caulk 1114C		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-65	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-66	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-67	Window Caulk 1114C		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-68	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-69	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-70	Gas Meter Caulk 1114C		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-71	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-72	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-73	Drier Caulk 1114C		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-74	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-75	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-76	Eave Caulk 1114C		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-77	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-78	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-79	Exterior Brick		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4-80	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
4-81	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>



June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 5, E161190057  
**CEI LAB CODE:** A207170

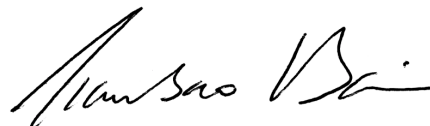
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# **ASBESTOS ANALYTICAL REPORT**

## **By: Polarized Light Microscopy**

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 5, E161190057

LAB CODE: A207170

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 60

# SAMPLES >1% ASBESTOS: 9



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 5, E161190057

LAB CODE: A207170

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
5-01		A111689	Brown,Black	Floor Sheeting	None Detected
5-02		A111690	Brown,Black	Floor Sheeting	None Detected
5-03		A111691	Brown,Black	Floor Sheeting	None Detected
5-04		A111692	Yellow,Clear	Adhesive	None Detected
5-05		A111693	Yellow,Clear	Adhesive	None Detected
5-06		A111694	Yellow,Clear	Adhesive	None Detected
5-07		A111695	Blue,Gray	Sheeting	None Detected
5-08		A111696	Blue,Gray	Sheeting	None Detected
5-09		A111697	Blue,Gray	Sheeting	None Detected
5-10		A111698	Clear	Adhesive	None Detected
5-11		A111699	Clear	Adhesive	None Detected
5-12		A111700	Clear	Adhesive	None Detected
5-13		A111701	Brown	Floor Tile	Chrysotile 10%
5-14		A111702	Brown	Floor Tile	Chrysotile 10%
5-15		A111703	Brown	Floor Tile	Chrysotile 10%
5-16		A111704	Black	Mastic	Chrysotile 3%
5-17		A111705	Black	Mastic	Chrysotile 3%
5-18		A111706	Black	Mastic	Chrysotile 3%
5-19		A111707	Gray	Sink Undercoating	None Detected
5-20		A111708	Gray	Sink Undercoating	None Detected
5-21		A111709	Gray	Sink Undercoating	None Detected
5-22		A111710	White	Drywall	None Detected
5-23		A111711	White	Drywall	None Detected
5-24	Layer 1	A111712	White	Joint Compound	None Detected
	Layer 2	A111712	White	Drywall	None Detected
5-25		A111713	White	Textured Ceiling	None Detected
5-26		A111714	White	Textured Ceiling	None Detected
5-27		A111715	White	Textured Ceiling	None Detected
5-28		A111716	White	Elbow Insulation	None Detected
5-29		A111717	White	Elbow Insulation	None Detected
5-30		A111718	White	Elbow Insulation	None Detected

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 5, E161190057

LAB CODE: A207170

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
5-31		A111719	Black	Vibration Dampener	None Detected
5-32		A111720	Black	Vibration Dampener	None Detected
5-33		A111721	Black	Vibration Dampener	None Detected
5-34		A111722	Brown	Stair Tread	None Detected
5-35		A111723	Brown	Stair Tread	None Detected
5-36		A111724	Brown	Stair Tread	None Detected
5-37		A111725	Yellow,Clear	Adhesive	None Detected
5-38		A111726	Yellow,Clear	Adhesive	None Detected
5-39		A111727	Yellow,Clear	Adhesive	None Detected
5-40		A111728	White	Ceramic Mortar	None Detected
5-41		A111729	White	Ceramic Mortar	None Detected
5-42		A111730	White	Ceramic Mortar	None Detected
5-43		A111731	Black,Gray	Door Caulk	None Detected
5-44		A111732	Black,Gray	Door Caulk	None Detected
5-45		A111733	Black,Gray	Door Caulk	None Detected
5-46		A111734	White,Gray	Window Caulking	Chrysotile <1%
5-47		A111735	White,Gray	Window Caulking	Chrysotile <1%
5-48		A111736	White,Gray	Window Caulking	Chrysotile <1%
5-49		A111737	White	Eave Caulking	None Detected
5-50		A111738	White	Eave Caulking	None Detected
5-51		A111739	White	Eave Caulking	None Detected
5-52		A111740	Red	Exterior Brick	None Detected
5-53		A111741	Red	Exterior Brick	None Detected
5-54		A111742	Red	Exterior Brick	None Detected
5-55		A111743	Gray,Off-white	Exterior Brick Mortar	None Detected
5-56		A111744	Gray,Off-white	Exterior Brick Mortar	None Detected
5-57		A111745	Gray,Off-white	Exterior Brick Mortar	None Detected
5-58		A111746	Gray,White	Transite Siding	Chrysotile 15%
5-59		A111747	Gray,White	Transite Siding	Chrysotile 15%
5-60		A111748	Gray,White	Transite Siding	Chrysotile 15%



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207170  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 5, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
5-01 A111689	Floor Sheeting	Heterogeneous	3%	Cellulose	72%	Vinyl	None Detected
		Brown,Black Fibrous Bound	5%	Fiberglass	20%	Binder	
5-02 A111690	Floor Sheeting	Heterogeneous	3%	Cellulose	72%	Vinyl	None Detected
		Brown,Black Fibrous Bound	5%	Fiberglass	20%	Binder	
5-03 A111691	Floor Sheeting	Heterogeneous	3%	Cellulose	72%	Vinyl	None Detected
		Brown,Black Fibrous Bound	5%	Fiberglass	20%	Binder	
5-04 A111692	Adhesive	Heterogeneous			100%	Mastic	None Detected
		Yellow,Clear Non-fibrous Bound					
5-05 A111693	Adhesive	Heterogeneous			100%	Mastic	None Detected
		Yellow,Clear Non-fibrous Bound					
5-06 A111694	Adhesive	Heterogeneous			100%	Mastic	None Detected
		Yellow,Clear Non-fibrous Bound					
5-07 A111695	Sheeting	Heterogeneous	10%	Fiberglass	70%	Vinyl	None Detected
		Blue,Gray Fibrous Bound			20%	Binder	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>5-08</b> A111696	Sheeting	Heterogeneous Blue,Gray Fibrous Bound	10%	Fiberglass	70%	Vinyl Binder	None Detected
<b>5-09</b> A111697	Sheeting	Heterogeneous Blue,Gray Fibrous Bound	10%	Fiberglass	70%	Vinyl Binder	None Detected
<b>5-10</b> A111698	Adhesive	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
<b>5-11</b> A111699	Adhesive	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
<b>5-12</b> A111700	Adhesive	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
<b>5-13</b> A111701	Floor Tile	Heterogeneous Brown Fibrous Tightly Bound			45%	Binder	<b>10% Chrysotile</b>
					20%	Calc Carb	
					25%	Silicates	
<b>5-14</b> A111702	Floor Tile	Heterogeneous Brown Fibrous Tightly Bound			45%	Binder	<b>10% Chrysotile</b>
					20%	Calc Carb	
					25%	Silicates	

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>5-15</b> A111703	Floor Tile	Heterogeneous Brown Fibrous Tightly Bound	45% 20% 25%	Binder Calc Carb Silicates	<b>10% Chrysotile</b>
<b>5-16</b> A111704	Mastic	Heterogeneous Black Fibrous Tightly Bound	85% 12%	Tar Binder	<b>3% Chrysotile</b>
<b>5-17</b> A111705	Mastic	Heterogeneous Black Fibrous Tightly Bound	85% 12%	Tar Binder	<b>3% Chrysotile</b>
<b>5-18</b> A111706	Mastic	Heterogeneous Black Fibrous Tightly Bound	85% 12%	Tar Binder	<b>3% Chrysotile</b>
<b>5-19</b> A111707	Sink Undercoating	Heterogeneous Gray Non-fibrous Bound	70% 20% 10%	Binder Calc Carb Silicates	None Detected
<b>5-20</b> A111708	Sink Undercoating	Heterogeneous Gray Non-fibrous Bound	70% 20% 10%	Binder Calc Carb Silicates	None Detected
<b>5-21</b> A111709	Sink Undercoating	Heterogeneous Gray Non-fibrous Bound	70% 20% 10%	Binder Calc Carb Silicates	None Detected

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
5-22 A111710	Drywall	Heterogeneous	5%	Cellulose	70%	Gypsum	None Detected
		White	10%	Fiberglass	15%	Binder	
		Fibrous Bound					
Lab Notes: No joint compound present.							
5-23 A111711	Drywall	Heterogeneous	5%	Cellulose	70%	Gypsum	None Detected
		White	10%	Fiberglass	15%	Binder	
		Fibrous Bound					
Lab Notes: No joint compound present.							
5-24 Layer 1 A111712	Joint Compound	Heterogeneous			2%	Paint	None Detected
		White			78%	Binder	
		Non-fibrous Bound			20%	Calc Carb	
Layer 2 A111712	Drywall	Heterogeneous	10%	Cellulose	70%	Gypsum	None Detected
		White	5%	Fiberglass	15%	Binder	
		Fibrous Bound					
5-25 A111713	Textured Ceiling	Heterogeneous			2%	Paint	None Detected
		White			78%	Binder	
		Non-fibrous Bound			20%	Calc Carb	
5-26 A111714	Textured Ceiling	Heterogeneous			2%	Paint	None Detected
		White			78%	Binder	
		Non-fibrous Bound			20%	Calc Carb	
5-27 A111715	Textured Ceiling	Heterogeneous			2%	Paint	None Detected
		White			78%	Binder	
		Non-fibrous Bound			20%	Calc Carb	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

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**Date Reported:** 06-10-20

**Project:** Building 5, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>5-28</b> A111716	Elbow Insulation	Heterogeneous White Fibrous Loosely Bound	75%	Fiberglass	20%	Binder 5% Silicates	None Detected
<b>5-29</b> A111717	Elbow Insulation	Heterogeneous White Fibrous Loosely Bound	75%	Fiberglass	20%	Binder 5% Silicates	None Detected
<b>5-30</b> A111718	Elbow Insulation	Heterogeneous White Fibrous Loosely Bound	75%	Fiberglass	20%	Binder 5% Silicates	None Detected
<b>5-31</b> A111719	Vibration Dampener	Heterogeneous Black Fibrous Bound	35%	Synthetic Fiber	65%	Vinyl	None Detected
<b>5-32</b> A111720	Vibration Dampener	Heterogeneous Black Fibrous Bound	35%	Synthetic Fiber	65%	Vinyl	None Detected
<b>5-33</b> A111721	Vibration Dampener	Heterogeneous Black Fibrous Bound	35%	Synthetic Fiber	65%	Vinyl	None Detected
<b>5-34</b> A111722	Stair Tread	Heterogeneous Brown Non-fibrous Tightly Bound			80%	Vinyl 20% Binder	None Detected

# ASBESTOS BULK ANALYSIS

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

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**Project:** Building 5, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>5-35</b> A111723	Stair Tread	Heterogeneous Brown Non-fibrous Tightly Bound	80% 20%	Vinyl Binder	None Detected
<b>5-36</b> A111724	Stair Tread	Heterogeneous Brown Non-fibrous Tightly Bound	80% 20%	Vinyl Binder	None Detected
<b>5-37</b> A111725	Adhesive	Heterogeneous Yellow,Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>5-38</b> A111726	Adhesive	Heterogeneous Yellow,Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>5-39</b> A111727	Adhesive	Heterogeneous Yellow,Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>5-40</b> A111728	Ceramic Mortar	Heterogeneous White Non-fibrous Tightly Bound	85% 15%	Binder Silicates	None Detected
<b>5-41</b> A111729	Ceramic Mortar	Heterogeneous White Non-fibrous Tightly Bound	85% 15%	Binder Silicates	None Detected

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>5-42</b> A111730	Ceramic Mortar	Heterogeneous White Non-fibrous Tightly Bound	85% 15%	Binder Silicates	None Detected
<b>5-43</b> A111731	Door Caulk	Heterogeneous Black,Gray Non-fibrous Bound	83% 15% 2%	Caulk Binder Paint	None Detected
<b>5-44</b> A111732	Door Caulk	Heterogeneous Black,Gray Non-fibrous Bound	83% 15% 2%	Caulk Binder Paint	None Detected
<b>5-45</b> A111733	Door Caulk	Heterogeneous Black,Gray Non-fibrous Bound	83% 15% 2%	Caulk Binder Paint	None Detected
<b>5-46</b> A111734	Window Caulking	Heterogeneous White,Gray Non-fibrous Tightly Bound	83% 15% 2%	Caulk Binder Paint	<1% Chrysotile
<b>5-47</b> A111735	Window Caulking	Heterogeneous White,Gray Non-fibrous Tightly Bound	83% 15% 2%	Caulk Binder Paint	<1% Chrysotile
<b>5-48</b> A111736	Window Caulking	Heterogeneous White,Gray Non-fibrous Tightly Bound	83% 15% 2%	Caulk Binder Paint	<1% Chrysotile

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>5-49</b> A111737	Eave Caulking	Heterogeneous White Non-fibrous Tightly Bound	85% 15% <1%	Caulk Binder Paint	None Detected
<b>5-50</b> A111738	Eave Caulking	Heterogeneous White Non-fibrous Tightly Bound	85% 15% <1%	Caulk Binder Paint	None Detected
<b>5-51</b> A111739	Eave Caulking	Heterogeneous White Non-fibrous Tightly Bound	85% 15% <1%	Caulk Binder Paint	None Detected
<b>5-52</b> A111740	Exterior Brick	Heterogeneous Red Non-fibrous Tightly Bound	70% 30%	Binder Silicates	None Detected
<b>5-53</b> A111741	Exterior Brick	Heterogeneous Red Non-fibrous Tightly Bound	70% 30%	Binder Silicates	None Detected
<b>5-54</b> A111742	Exterior Brick	Heterogeneous Red Non-fibrous Tightly Bound	70% 30%	Binder Silicates	None Detected
<b>5-55</b> A111743	Exterior Brick Mortar	Heterogeneous Gray, Off-white Non-fibrous Tightly Bound	35% 65%	Binder Silicates	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207170  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 5, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>5-56</b> A111744	Exterior Brick Mortar	Heterogeneous Gray,Off-white Non-fibrous Tightly Bound	35%	Binder	None Detected
			65%	Silicates	
<b>5-57</b> A111745	Exterior Brick Mortar	Heterogeneous Gray,Off-white Non-fibrous Tightly Bound	35%	Binder	None Detected
			65%	Silicates	
<b>5-58</b> A111746	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	20%	Binder	<b>15% Chrysotile</b>
			63%	Silicates	
<b>5-59</b> A111747	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	20%	Binder	<b>15% Chrysotile</b>
			63%	Silicates	
<b>5-60</b> A111748	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	20%	Binder	<b>15% Chrysotile</b>
			63%	Silicates	
			2%	Paint	

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb        = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

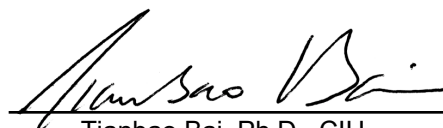
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_

  
Justin Shu

**APPROVED BY:** \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY: (10)  
 CEI Lab Code: A707170  
 CEI Lab I.D. Range: A111689-A111748

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <u>Ken Karuhn</u>
Company: <u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:
Address: <u>600W. Van Buren Ste. 500</u>	Project Name: <u>Building 5</u>
<u>Chicago, IL. 60607</u>	Project ID#: <u>E161190057</u>
Email: <u>KKaruhn@CCAItD.com</u>	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM G281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5/20 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207170

# ASBESTOS SAMPLING FORM



## COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name:	Building 5
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM	TEM
5-01	Wood Floor Sheeting 1116c		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
5-02	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-03	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-04	Adhesive Assoc		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-05	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-06	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-07	Blue Sheeting		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-08	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-09	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-10	Adhesive Assoc		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-11	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-12	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-13	Floor Tile Brown		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-14	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-15	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-16	Mastic Assoc		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-17	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-18	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-19	Sink Under Coating		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-20	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-21	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-22	Drywall / joint		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-23	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-24	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-25	Textured Ceiling 2 <sup>nd</sup> Floor		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5-26	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
5-27	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

Page 1 of 3

# ASBESTOS SAMPLING FORM



**COMPANY CONTACT INFORMATION**

Company: Carnow Conibear	Job Contact:
Project Name:	Building 5
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
5-28	Elbow Insulation		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
31	Vibration Damper Vinyl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
34	stair Tread		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
37	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
40	Ceramic Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
43	Door Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
46	Window Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
49	Eave Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
52	Exterior Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
5-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>



July 9, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 6, E161190057  
**CEI LAB CODE:** A207171

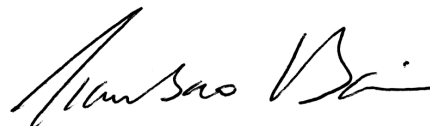
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

**AMENDED**

---

**ASBESTOS ANALYTICAL REPORT**  
**By: Polarized Light Microscopy**

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

---

CLIENT PROJECT: Building 6, E161190057

LAB CODE: A207171

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 90

# SAMPLES >1% ASBESTOS: 16





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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 6, E161190057

LAB CODE: A207171

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-01		A111749	Beige	Floor Tile	None Detected
6-02		A111750	Beige	Floor Tile	None Detected
6-03		A111751	Beige	Floor Tile	None Detected
6-04		A111752	Yellow	Mastic	None Detected
6-05		A111753	Yellow	Mastic	None Detected
6-06		A111754	Yellow	Mastic	None Detected
6-07		A111755	Beige	Floor Tile	None Detected
6-08		A111756	Beige	Floor Tile	None Detected
6-09		A111757	Beige	Floor Tile	None Detected
6-10		A111758	Yellow	Mastic	None Detected
6-11		A111759	Yellow	Mastic	None Detected
6-12		A111760	Yellow	Mastic	None Detected
6-13		A111761	Beige,Brown	Floor Tile	None Detected
6-14		A111762	Beige,Brown	Floor Tile	None Detected
6-15		A111763	Beige,Brown	Floor Tile	None Detected
6-16		A111764	Yellow	Mastic	None Detected
6-17		A111765	Yellow	Mastic	None Detected
6-18		A111766	Yellow	Mastic	None Detected
6-19		A111767	Beige	Floor Tile	None Detected
6-20		A111768	Beige	Floor Tile	None Detected
6-21		A111769	Beige,White	Floor Tile	None Detected
6-22		A111770	Yellow	Mastic	None Detected
6-23	Layer 1	A111771	Yellow	Mastic	None Detected
	Layer 2	A111771	Black	Mastic	Chrysotile 5%
6-24	Layer 1	A111772	Yellow	Mastic	None Detected
	Layer 2	A111772	Black	Mastic	Chrysotile 5%
6-25		A111773	Beige	Floor Tile	Chrysotile 3%
6-26		A111774	Beige	Floor Tile	Chrysotile 3%
6-27		A111775	Beige	Floor Tile	Chrysotile 3%
6-28	Layer 1	A111776	Yellow	Mastic	None Detected
	Layer 2	A111776	Black	Mastic	Chrysotile 5%



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 6, E161190057

LAB CODE: A207171

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-29	Layer 1	A111777	Yellow	Mastic	None Detected
	Layer 2	A111777	Black	Mastic	Chrysotile 5%
6-30	Layer 1	A111778	Yellow	Mastic	None Detected
	Layer 2	A111778	Black	Mastic	Chrysotile 5%
6-31		A111779	Beige	Baseboard	None Detected
6-32		A111780	Beige	Baseboard	None Detected
6-33		A111781	Beige	Baseboard	None Detected
6-34		A111782	Cream	Adhesive	None Detected
6-35		A111783	Cream	Adhesive	None Detected
6-36		A111784	Cream	Adhesive	None Detected
6-37		A111785	Black	Baseboard	None Detected
6-38		A111786	Black	Baseboard	None Detected
6-39		A111787	Black	Baseboard	None Detected
6-40		A111788	Yellow	Adhesive	None Detected
6-41		A111789	Yellow	Adhesive	None Detected
6-42		A111790	Yellow	Adhesive	None Detected
6-43		A111791	Beige	Joint Compound	Chrysotile 2%
6-44		A111792	Beige	Joint Compound	Chrysotile 2%
6-45		A111793	White	Drywall	None Detected
6-46		A111794	Off-white	Sink Undercoating	None Detected
6-47		A111795	Off-white	Sink Undercoating	None Detected
6-48		A111796	Off-white	Sink Undercoating	None Detected
6-49		A111797	Yellow	Shower Wall Adhesive	None Detected
6-50		A111798	Yellow	Shower Wall Adhesive	None Detected
6-51		A111799	Yellow	Shower Wall Adhesive	None Detected
6-52		A111800	Brown	Stair Tread	None Detected
6-53		A111801	Brown	Stair Tread	None Detected
6-54		A111802	Brown	Stair Tread	None Detected
6-55		A111803	Brown	Adhesive	None Detected
6-56		A111804	Brown	Adhesive	None Detected
6-57		A111805	Brown	Adhesive	None Detected



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 6, E161190057

LAB CODE: A207171

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-58		A111806	Black	Vibration Dampner	None Detected
6-59		A111807	Black	Vibration Dampner	None Detected
6-60		A111808	Black	Vibration Dampner	None Detected
6-61		A111809	Blue	Textured Wallpaper	None Detected
6-62		A111810	Blue	Textured Wallpaper	None Detected
6-63		A111811	Blue	Textured Wallpaper	None Detected
6-64		A111812	Off-white	Door Caulk	None Detected
6-65		A111813	Brown	Door Caulk	None Detected
6-66		A111814	Off-white	Door Caulk	None Detected
6-67		A111815	White	Window Caulk Exterior	Chrysotile <1%
6-68		A111816	White	Window Caulk Exterior	Chrysotile <1%
6-69		A111817	White	Window Caulk Exterior	Chrysotile <1%
6-70		A111818	White	Eave Caulk	None Detected
6-71		A111819	White	Eave Caulk	None Detected
6-72		A111820	White	Eave Caulk	None Detected
6-73		A111821	White	Window Caulk Interior	None Detected
6-74		A111822	White	Window Caulk Interior	None Detected
6-75		A111823	White	Window Caulk Interior	None Detected
6-76		A111824	Yellow	Drier Vent Caulk	None Detected
6-77		A111825	Yellow	Drier Vent Caulk	None Detected
6-78		A111826	Yellow	Drier Vent Caulk	None Detected
6-79		A111827	Black	Gas Meter Caulk	Chrysotile 10%
6-80		A111828	Black	Gas Meter Caulk	Chrysotile 10%
6-81		A111829	Black	Gas Meter Caulk	Chrysotile 10%
6-82		A111830	Red	Exterior Brick	None Detected
6-83		A111831	Red	Exterior Brick	None Detected
6-84		A111832	Red	Exterior Brick	None Detected
6-85		A111833	Gray	Exterior Brick Mortar	None Detected
6-86		A111834	Gray	Exterior Brick Mortar	None Detected
6-87		A111835	Gray	Exterior Brick Mortar	None Detected
6-88		A111836	Gray,White	Transite	Chrysotile 15%



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**AMENDED**

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 6, E161190057

**LAB CODE:** A207171

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-89		A111837	Gray,White	Transite	<b>Chrysotile 15%</b>
6-90		A111838	Gray,White	Transite	<b>Chrysotile 15%</b>



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-01</b> A111749	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-02</b> A111750	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-03</b> A111751	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-04</b> A111752	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-05</b> A111753	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-06</b> A111754	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-07</b> A111755	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected



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**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-08</b> A111756	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-09</b> A111757	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-10</b> A111758	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-11</b> A111759	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-12</b> A111760	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-13</b> A111761	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-14</b> A111762	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected



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**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-15</b> A111763	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-16</b> A111764	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-17</b> A111765	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-18</b> A111766	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-19</b> A111767	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-20</b> A111768	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-21</b> A111769	Floor Tile	Homogeneous Beige,White Non-fibrous Bound	100%	Vinyl	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>6-22</b> A111770	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
<b>6-23</b> Layer 1 A111771	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111771	Mastic	Homogeneous Black Fibrous Bound	3%	Cellulose	90% 2% Mastic Non-Fibrous Debris	<b>5% Chrysotile</b>
<b>6-24</b> Layer 1 A111772	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111772	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose	75% Mastic	<b>5% Chrysotile</b>
<b>6-25</b> A111773	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%		Vinyl	<b>3% Chrysotile</b>
<b>6-26</b> A111774	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%		Vinyl	<b>3% Chrysotile</b>





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AMENDED

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>6-27</b> A111775	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%		Vinyl	<b>3% Chrysotile</b>
<b>6-28</b> Layer 1 A111776	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111776	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose	75% Mastic	<b>5% Chrysotile</b>
<b>6-29</b> Layer 1 A111777	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111777	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose	75% Mastic	<b>5% Chrysotile</b>
<b>6-30</b> Layer 1 A111778	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111778	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose	75% Mastic	<b>5% Chrysotile</b>

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**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-31</b> A111779	Baseboard	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-32</b> A111780	Baseboard	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-33</b> A111781	Baseboard	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-34</b> A111782	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>6-35</b> A111783	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>6-36</b> A111784	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>6-37</b> A111785	Baseboard	Homogeneous Black Non-fibrous Bound	100%	Vinyl	None Detected

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**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-38</b> A111786	Baseboard	Homogeneous Black Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-39</b> A111787	Baseboard	Homogeneous Black Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-40</b> A111788	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-41</b> A111789	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-42</b> A111790	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-43</b> A111791	Joint Compound	Homogeneous Beige Fibrous Bound	<1%	Cellulose 70% 25% 3%	Silicates Calc Carb Paint <b>2% Chrysotile</b>
<b>6-44</b> A111792	Joint Compound	Homogeneous Beige Fibrous Bound	<1%	Cellulose 70% 25% 3%	Silicates Calc Carb Paint <b>2% Chrysotile</b>

**Client:** Carnow, Conibear & Assoc., Ltd.  
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**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>6-45</b> A111793	Drywall	Heterogeneous White Fibrous Bound	10%	Cellulose	75%	Gypsum 15% Binder	None Detected
Lab Notes: No joint compound present.							
<b>6-46</b> A111794	Sink Undercoating	Heterogeneous Off-white Fibrous Bound	20%	Cellulose	80%	Binder	None Detected
<b>6-47</b> A111795	Sink Undercoating	Heterogeneous Off-white Fibrous Bound	20%	Cellulose	80%	Binder	None Detected
<b>6-48</b> A111796	Sink Undercoating	Heterogeneous Off-white Fibrous Bound	20%	Cellulose	80%	Binder	None Detected
<b>6-49</b> A111797	Shower Wall Adhesive	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
<b>6-50</b> A111798	Shower Wall Adhesive	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
<b>6-51</b> A111799	Shower Wall Adhesive	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

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**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>6-52</b> A111800	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl		None Detected	
<b>6-53</b> A111801	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl		None Detected	
<b>6-54</b> A111802	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl		None Detected	
<b>6-55</b> A111803	Adhesive	Homogeneous Brown Non-fibrous Bound	2%	Cellulose	95% 3%	Mastic Non-Fibrous Debris	None Detected
<b>6-56</b> A111804	Adhesive	Homogeneous Brown Non-fibrous Bound	2%	Cellulose	95% 3%	Mastic Non-Fibrous Debris	None Detected
<b>6-57</b> A111805	Adhesive	Homogeneous Brown Non-fibrous Bound	2%	Cellulose	95% 3%	Mastic Non-Fibrous Debris	None Detected
<b>6-58</b> A111806	Vibration Dampner	Homogeneous Black Fibrous Bound	40%	Synthetic Fiber	60%	Vinyl	None Detected

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**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>6-59</b> A111807	Vibration Dampner	Homogeneous Black Fibrous Bound	40%	Synthetic Fiber	60%	Vinyl	None Detected
<b>6-60</b> A111808	Vibration Dampner	Homogeneous Black Fibrous Bound	40%	Synthetic Fiber	60%	Vinyl	None Detected
<b>6-61</b> A111809	Textured Wallpaper	Homogeneous Blue Fibrous Bound	35%	Cellulose	50%	Paint 15% Binder	None Detected
<b>6-62</b> A111810	Textured Wallpaper	Homogeneous Blue Fibrous Bound	35%	Cellulose	50%	Paint 15% Binder	None Detected
<b>6-63</b> A111811	Textured Wallpaper	Homogeneous Blue Fibrous Bound	35%	Cellulose	50%	Paint 15% Binder	None Detected
<b>6-64</b> A111812	Door Caulk	Homogeneous Off-white Non-fibrous Bound	3%	Cellulose	95%	Caulk 2% Paint	None Detected
<b>6-65</b> A111813	Door Caulk	Homogeneous Brown Non-fibrous Bound			100%	Caulk	None Detected



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**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

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Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
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**Project:** Building 6, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>6-66</b> A111814	Door Caulk	Homogeneous Off-white Non-fibrous Bound	3%	Cellulose	95%	Caulk Paint	None Detected
<b>6-67</b> A111815	Window Caulk Exterior	Homogeneous White Non-fibrous Bound	<1%	Cellulose	92%	Caulk Paint Silicates	<1% Chrysotile
<b>6-68</b> A111816	Window Caulk Exterior	Homogeneous White Non-fibrous Bound	<1%	Cellulose	92%	Caulk Paint Silicates	<1% Chrysotile
<b>6-69</b> A111817	Window Caulk Exterior	Homogeneous White Non-fibrous Bound	<1%	Cellulose	92%	Caulk Paint Silicates	<1% Chrysotile
<b>6-70</b> A111818	Eave Caulk	Homogeneous White Non-fibrous Bound	<1%	Cellulose	95%	Caulk Paint	None Detected
<b>6-71</b> A111819	Eave Caulk	Homogeneous White Non-fibrous Bound	<1%	Cellulose	95%	Caulk Paint	None Detected
<b>6-72</b> A111820	Eave Caulk	Homogeneous White Non-fibrous Bound	<1%	Cellulose	95%	Caulk Paint	None Detected



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AMENDED

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-73</b> A111821	Window Caulk Interior	Homogeneous White Non-fibrous Bound	98%	Caulk 2% Paint	None Detected
<b>6-74</b> A111822	Window Caulk Interior	Homogeneous White Non-fibrous Bound	98%	Caulk 2% Paint	None Detected
<b>6-75</b> A111823	Window Caulk Interior	Homogeneous White Non-fibrous Bound	98%	Caulk 2% Paint	None Detected
<b>6-76</b> A111824	Drier Vent Caulk	Homogeneous Yellow Non-fibrous Bound	98%	Caulk 2% Paint	None Detected
<b>6-77</b> A111825	Drier Vent Caulk	Homogeneous Yellow Non-fibrous Bound	98%	Caulk 2% Paint	None Detected
<b>6-78</b> A111826	Drier Vent Caulk	Homogeneous Yellow Non-fibrous Bound	98%	Caulk 2% Paint	None Detected
<b>6-79</b> A111827	Gas Meter Caulk	Homogeneous Black Fibrous Bound	2%	Cellulose 75% Tar 10% Binder 3% Paint	<b>10% Chrysotile</b>



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**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>6-80</b> A111828	Gas Meter Caulk	Homogeneous	2%	Cellulose	75%	Tar	<b>10% Chrysotile</b>
		Black			10%	Binder	
		Fibrous			3%	Paint	
		Bound					
<b>6-81</b> A111829	Gas Meter Caulk	Homogeneous	2%	Cellulose	75%	Tar	<b>10% Chrysotile</b>
		Black			10%	Binder	
		Fibrous			3%	Paint	
		Bound					
<b>6-82</b> A111830	Exterior Brick	Homogeneous			85%	Silicates	None Detected
		Red			15%	Binder	
		Non-fibrous					
		Bound					
<b>6-83</b> A111831	Exterior Brick	Homogeneous			85%	Silicates	None Detected
		Red			15%	Binder	
		Non-fibrous					
		Bound					
<b>6-84</b> A111832	Exterior Brick	Homogeneous			85%	Silicates	None Detected
		Red			15%	Binder	
		Non-fibrous					
		Bound					
<b>6-85</b> A111833	Exterior Brick Mortar	Homogeneous			80%	Silicates	None Detected
		Gray			20%	Binder	
		Non-fibrous					
		Bound					
<b>6-86</b> A111834	Exterior Brick Mortar	Homogeneous			80%	Silicates	None Detected
		Gray			20%	Binder	
		Non-fibrous					
		Bound					

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**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-87</b> A111835	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	80% 20%	Silicates Binder	None Detected
<b>6-88</b> A111836	Transite	Homogeneous Gray,White Fibrous Bound	70% 12% 3%	Silicates Binder Paint	<b>15% Chrysotile</b>
<b>6-89</b> A111837	Transite	Homogeneous Gray,White Fibrous Bound	70% 12% 3%	Silicates Binder Paint	<b>15% Chrysotile</b>
<b>6-90</b> A111838	Transite	Homogeneous Gray,White Fibrous Bound	70% 12% 3%	Silicates Binder Paint	<b>15% Chrysotile</b>

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb        = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

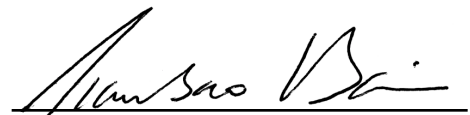
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

**ANALYST:**

  
Michael Hoxie

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



**AMENDED due to Client Wishes to Change Specifications for Analysis - Separate Compositing Layers**



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:  
 CEI Lab Code: A207171  
 CEI Lab I.D. Range: A111744-A111838

90

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <u>Ken Karuhn</u>
Company: <u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:
Address: <u>600W. Van Buren Ste. 500</u>	Project Name: <u>Building 6</u>
<u>Chicago, IL. 60607</u>	Project ID#: <u>E161190057</u>
Email: <u>KKaruhn@CCAItD.com</u>	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	6 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5/20 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A-207171

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 6
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
6-01	12x12 FT Beige Mottled Living Rm 1120A	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
03	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
04	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
07	12x12 FT Beige Streaked	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
13	12x12 FT Beige w/Brown Streak Kitchen	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
16	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
19	FT Beige Kitchen	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
21	↓ 2nd fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
22	mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
25	FT Beige Kitchen	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
6-27	↓ ↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 6
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
6-28	Mastic Assoc		PLM	<input checked="" type="checkbox"/> TEM <input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
31	Beige Vinyl Baseboard 2 <sup>nd</sup> FL BATH		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
32	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
33	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
34	Adhesive Assoc		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
36	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
37	Black Baseboard 1 <sup>st</sup> FL		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
38	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
39	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
40	Adhesive Assoc		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
41	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
43	Drywall - Joint		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
44	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
45	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
46	Sink Under Coating Kitchen		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
48	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
49	Shower Wall Adhesive - BATH		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
50	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
51	↓		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
52	Brown Stair Tread		PLM	<input type="checkbox"/> TEM <input type="checkbox"/>
53	↓		PLM	<input checked="" type="checkbox"/> TEM <input type="checkbox"/>
6-54	↓		PLM	<input checked="" type="checkbox"/> TEM <input type="checkbox"/>
			PLM	<input type="checkbox"/> TEM <input type="checkbox"/>

A20717

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 6
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
6-55	Adhesive Assoc.		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
56	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
57	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
58	Black Vinyl Vibration Dampner		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
59	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
60	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
61	Textured Wall Paper 2 <sup>nd</sup> Floor		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
62	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
63	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
64	Door Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
65	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
66	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
67	Window Caulk Exterior		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
68	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
69	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
70	Eave Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
71	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
72	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
73	Window Caulk Interior		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
74	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
75	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
76	Drier Vent Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
77	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
78	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
79	Gas Meter Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
80	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
6-81	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>





Kassidy Harris

MH

**From:** Ken Karuhn <kkaruhn@caltcd.com>  
**Sent:** Wednesday, July 8, 2020 4:42 PM  
**To:** #US73\_Asbestos  
**Cc:** Derek Lantry  
**Subject:** Joint compound analysis

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Please separate the drywall joint compound from the drywall and analyze the joint compound layer only (1 day TAT) for the following samples:

CCA Project Number: E161190057

A207168 - Sample 3-30 (building 3)

A207171 – Samples 6-43 and 6-44 (building 6)

A207176 – Samples 11-37, 11-38, and 11-39 (building 11)

A207179 – Samples 14-65, 14-66, and 14-67 (building 14)

Thanks,  
Ken

**CARNOW  
CONIBEAR**



**Kenneth Karuhn**  
Environmental Hygienist

600 West Van Buren Street, Suite 500  
Chicago, Illinois 60607

t: 312.762.2976   c: 12.656.6057

e: kkaruhn@caltcd.com   w: caltcd.com

Notify us [here](#) to report this email as spam.

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 6, E161190057  
**CEI LAB CODE:** A207171

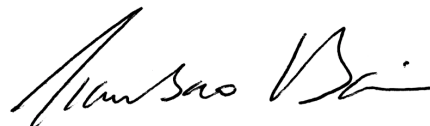
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 6, E161190057

LAB CODE: A207171

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 90

# SAMPLES >1% ASBESTOS: 14

**PROJECT:** Building 6, E161190057

**LAB CODE:** A207171

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-01		A111749	Beige	Floor Tile	None Detected
6-02		A111750	Beige	Floor Tile	None Detected
6-03		A111751	Beige	Floor Tile	None Detected
6-04		A111752	Yellow	Mastic	None Detected
6-05		A111753	Yellow	Mastic	None Detected
6-06		A111754	Yellow	Mastic	None Detected
6-07		A111755	Beige	Floor Tile	None Detected
6-08		A111756	Beige	Floor Tile	None Detected
6-09		A111757	Beige	Floor Tile	None Detected
6-10		A111758	Yellow	Mastic	None Detected
6-11		A111759	Yellow	Mastic	None Detected
6-12		A111760	Yellow	Mastic	None Detected
6-13		A111761	Beige,Brown	Floor Tile	None Detected
6-14		A111762	Beige,Brown	Floor Tile	None Detected
6-15		A111763	Beige,Brown	Floor Tile	None Detected
6-16		A111764	Yellow	Mastic	None Detected
6-17		A111765	Yellow	Mastic	None Detected
6-18		A111766	Yellow	Mastic	None Detected
6-19		A111767	Beige	Floor Tile	None Detected
6-20		A111768	Beige	Floor Tile	None Detected
6-21		A111769	Beige,White	Floor Tile	None Detected
6-22		A111770	Yellow	Mastic	None Detected
6-23	Layer 1	A111771	Yellow	Mastic	None Detected
	Layer 2	A111771	Black	Mastic	Chrysotile 5%
6-24	Layer 1	A111772	Yellow	Mastic	None Detected
	Layer 2	A111772	Black	Mastic	Chrysotile 5%
6-25		A111773	Beige	Floor Tile	Chrysotile 3%
6-26		A111774	Beige	Floor Tile	Chrysotile 3%
6-27		A111775	Beige	Floor Tile	Chrysotile 3%
6-28	Layer 1	A111776	Yellow	Mastic	None Detected
	Layer 2	A111776	Black	Mastic	Chrysotile 5%

**PROJECT:** Building 6, E161190057

**LAB CODE:** A207171

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-29	Layer 1	A111777	Yellow	Mastic	None Detected
	Layer 2	A111777	Black	Mastic	<b>Chrysotile 5%</b>
6-30	Layer 1	A111778	Yellow	Mastic	None Detected
	Layer 2	A111778	Black	Mastic	<b>Chrysotile 5%</b>
6-31		A111779	Beige	Baseboard	None Detected
6-32		A111780	Beige	Baseboard	None Detected
6-33		A111781	Beige	Baseboard	None Detected
6-34		A111782	Cream	Adhesive	None Detected
6-35		A111783	Cream	Adhesive	None Detected
6-36		A111784	Cream	Adhesive	None Detected
6-37		A111785	Black	Baseboard	None Detected
6-38		A111786	Black	Baseboard	None Detected
6-39		A111787	Black	Baseboard	None Detected
6-40		A111788	Yellow	Adhesive	None Detected
6-41		A111789	Yellow	Adhesive	None Detected
6-42		A111790	Yellow	Adhesive	None Detected
6-43		A111791	Beige,White	Drywall/Joint Compound	<b>Chrysotile &lt;1%</b>
6-44		A111792	Beige,White	Drywall/Joint Compound	<b>Chrysotile &lt;1%</b>
6-45		A111793	White	Drywall	None Detected
6-46		A111794	Off-white	Sink Undercoating	None Detected
6-47		A111795	Off-white	Sink Undercoating	None Detected
6-48		A111796	Off-white	Sink Undercoating	None Detected
6-49		A111797	Yellow	Shower Wall Adhesive	None Detected
6-50		A111798	Yellow	Shower Wall Adhesive	None Detected
6-51		A111799	Yellow	Shower Wall Adhesive	None Detected
6-52		A111800	Brown	Stair Tread	None Detected
6-53		A111801	Brown	Stair Tread	None Detected
6-54		A111802	Brown	Stair Tread	None Detected
6-55		A111803	Brown	Adhesive	None Detected
6-56		A111804	Brown	Adhesive	None Detected
6-57		A111805	Brown	Adhesive	None Detected

**PROJECT:** Building 6, E161190057

**LAB CODE:** A207171

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-58		A111806	Black	Vibration Dampner	None Detected
6-59		A111807	Black	Vibration Dampner	None Detected
6-60		A111808	Black	Vibration Dampner	None Detected
6-61		A111809	Blue	Textured Wallpaper	None Detected
6-62		A111810	Blue	Textured Wallpaper	None Detected
6-63		A111811	Blue	Textured Wallpaper	None Detected
6-64		A111812	Off-white	Door Caulk	None Detected
6-65		A111813	Brown	Door Caulk	None Detected
6-66		A111814	Off-white	Door Caulk	None Detected
6-67		A111815	White	Window Caulk Exterior	Chrysotile <1%
6-68		A111816	White	Window Caulk Exterior	Chrysotile <1%
6-69		A111817	White	Window Caulk Exterior	Chrysotile <1%
6-70		A111818	White	Eave Caulk	None Detected
6-71		A111819	White	Eave Caulk	None Detected
6-72		A111820	White	Eave Caulk	None Detected
6-73		A111821	White	Window Caulk Interior	None Detected
6-74		A111822	White	Window Caulk Interior	None Detected
6-75		A111823	White	Window Caulk Interior	None Detected
6-76		A111824	Yellow	Drier Vent Caulk	None Detected
6-77		A111825	Yellow	Drier Vent Caulk	None Detected
6-78		A111826	Yellow	Drier Vent Caulk	None Detected
6-79		A111827	Black	Gas Meter Caulk	Chrysotile 10%
6-80		A111828	Black	Gas Meter Caulk	Chrysotile 10%
6-81		A111829	Black	Gas Meter Caulk	Chrysotile 10%
6-82		A111830	Red	Exterior Brick	None Detected
6-83		A111831	Red	Exterior Brick	None Detected
6-84		A111832	Red	Exterior Brick	None Detected
6-85		A111833	Gray	Exterior Brick Mortar	None Detected
6-86		A111834	Gray	Exterior Brick Mortar	None Detected
6-87		A111835	Gray	Exterior Brick Mortar	None Detected
6-88		A111836	Gray,White	Transite	Chrysotile 15%



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 6, E161190057

**LAB CODE:** A207171

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
6-89		A111837	Gray,White	Transite	<b>Chrysotile 15%</b>
6-90		A111838	Gray,White	Transite	<b>Chrysotile 15%</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-01</b> A111749	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-02</b> A111750	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-03</b> A111751	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-04</b> A111752	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-05</b> A111753	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-06</b> A111754	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-07</b> A111755	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-08</b> A111756	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-09</b> A111757	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-10</b> A111758	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-11</b> A111759	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-12</b> A111760	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-13</b> A111761	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-14</b> A111762	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-15</b> A111763	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-16</b> A111764	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-17</b> A111765	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-18</b> A111766	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-19</b> A111767	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-20</b> A111768	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-21</b> A111769	Floor Tile	Homogeneous Beige,White Non-fibrous Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>6-22</b> A111770	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic		None Detected
<b>6-23</b> Layer 1 A111771	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic		None Detected
Layer 2 A111771	Mastic	Homogeneous Black Fibrous Bound	3%	Cellulose 90%	Mastic 2% Non-Fibrous Debris	<b>5% Chrysotile</b>
<b>6-24</b> Layer 1 A111772	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic		None Detected
Layer 2 A111772	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose 75%	Mastic	<b>5% Chrysotile</b>
<b>6-25</b> A111773	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%	Vinyl		<b>3% Chrysotile</b>
<b>6-26</b> A111774	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%	Vinyl		<b>3% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>6-27</b> A111775	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%		Vinyl	<b>3% Chrysotile</b>
<b>6-28</b> Layer 1 A111776	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111776	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose	75% Mastic	<b>5% Chrysotile</b>
<b>6-29</b> Layer 1 A111777	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111777	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose	75% Mastic	<b>5% Chrysotile</b>
<b>6-30</b> Layer 1 A111778	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected
Layer 2 A111778	Mastic	Homogeneous Black Fibrous Bound	20%	Cellulose	75% Mastic	<b>5% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-31</b> A111779	Baseboard	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-32</b> A111780	Baseboard	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-33</b> A111781	Baseboard	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-34</b> A111782	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>6-35</b> A111783	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>6-36</b> A111784	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>6-37</b> A111785	Baseboard	Homogeneous Black Non-fibrous Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-38</b> A111786	Baseboard	Homogeneous Black Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-39</b> A111787	Baseboard	Homogeneous Black Non-fibrous Bound	100%	Vinyl	None Detected
<b>6-40</b> A111788	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-41</b> A111789	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-42</b> A111790	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>6-43</b> A111791	Drywall/Joint Compound	Heterogeneous Beige,White Fibrous Bound	10%	Cellulose 70% Gypsum 15% Silicates 5% Calc Carb	<1% Chrysotile
Lab Notes: Joint compound contains 2% chrysotile, overall sample <1%.					
<b>6-44</b> A111792	Drywall/Joint Compound	Heterogeneous Beige,White Fibrous Bound	10%	Cellulose 70% Gypsum 15% Silicates 5% Calc Carb	<1% Chrysotile
Lab Notes: Joint compound contains 2% chrysotile, overall sample <1%.					

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>6-45</b> A111793	Drywall	Heterogeneous White Fibrous Bound	10%	Cellulose	75%	Gypsum 15% Binder	None Detected
Lab Notes: No joint compound present.							
<b>6-46</b> A111794	Sink Undercoating	Heterogeneous Off-white Fibrous Bound	20%	Cellulose	80%	Binder	None Detected
<b>6-47</b> A111795	Sink Undercoating	Heterogeneous Off-white Fibrous Bound	20%	Cellulose	80%	Binder	None Detected
<b>6-48</b> A111796	Sink Undercoating	Heterogeneous Off-white Fibrous Bound	20%	Cellulose	80%	Binder	None Detected
<b>6-49</b> A111797	Shower Wall Adhesive	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
<b>6-50</b> A111798	Shower Wall Adhesive	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
<b>6-51</b> A111799	Shower Wall Adhesive	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>6-52</b> A111800	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl		None Detected	
<b>6-53</b> A111801	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl		None Detected	
<b>6-54</b> A111802	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl		None Detected	
<b>6-55</b> A111803	Adhesive	Homogeneous Brown Non-fibrous Bound	2%	Cellulose	95% 3%	Mastic Non-Fibrous Debris	None Detected
<b>6-56</b> A111804	Adhesive	Homogeneous Brown Non-fibrous Bound	2%	Cellulose	95% 3%	Mastic Non-Fibrous Debris	None Detected
<b>6-57</b> A111805	Adhesive	Homogeneous Brown Non-fibrous Bound	2%	Cellulose	95% 3%	Mastic Non-Fibrous Debris	None Detected
<b>6-58</b> A111806	Vibration Dampner	Homogeneous Black Fibrous Bound	40%	Synthetic Fiber	60%	Vinyl	None Detected



# ASBESTOS BULK ANALYSIS

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 Chicago, IL 60607

**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>6-59</b> A111807	Vibration Dampner	Homogeneous Black Fibrous Bound	40%	Synthetic Fiber	60%	Vinyl	None Detected
<b>6-60</b> A111808	Vibration Dampner	Homogeneous Black Fibrous Bound	40%	Synthetic Fiber	60%	Vinyl	None Detected
<b>6-61</b> A111809	Textured Wallpaper	Homogeneous Blue Fibrous Bound	35%	Cellulose	50%	Paint 15% Binder	None Detected
<b>6-62</b> A111810	Textured Wallpaper	Homogeneous Blue Fibrous Bound	35%	Cellulose	50%	Paint 15% Binder	None Detected
<b>6-63</b> A111811	Textured Wallpaper	Homogeneous Blue Fibrous Bound	35%	Cellulose	50%	Paint 15% Binder	None Detected
<b>6-64</b> A111812	Door Caulk	Homogeneous Off-white Non-fibrous Bound	3%	Cellulose	95%	Caulk 2% Paint	None Detected
<b>6-65</b> A111813	Door Caulk	Homogeneous Brown Non-fibrous Bound			100%	Caulk	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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600 W Van Buren St Ste 500  
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**Lab Code:** A207171  
**Date Received:** 06-05-20  
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**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>6-66</b> A111814	Door Caulk	Homogeneous Off-white Non-fibrous Bound	3%	Cellulose	95%	Caulk Paint	None Detected
<b>6-67</b> A111815	Window Caulk Exterior	Homogeneous White Non-fibrous Bound	<1%	Cellulose	92%	Caulk Paint Silicates	<1% Chrysotile
<b>6-68</b> A111816	Window Caulk Exterior	Homogeneous White Non-fibrous Bound	<1%	Cellulose	92%	Caulk Paint Silicates	<1% Chrysotile
<b>6-69</b> A111817	Window Caulk Exterior	Homogeneous White Non-fibrous Bound	<1%	Cellulose	92%	Caulk Paint Silicates	<1% Chrysotile
<b>6-70</b> A111818	Eave Caulk	Homogeneous White Non-fibrous Bound	<1%	Cellulose	95%	Caulk Paint	None Detected
<b>6-71</b> A111819	Eave Caulk	Homogeneous White Non-fibrous Bound	<1%	Cellulose	95%	Caulk Paint	None Detected
<b>6-72</b> A111820	Eave Caulk	Homogeneous White Non-fibrous Bound	<1%	Cellulose	95%	Caulk Paint	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Lab Code:** A207171  
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**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>6-73</b> A111821	Window Caulk Interior	Homogeneous White Non-fibrous Bound	98%	Caulk	2%	Paint	None Detected
<b>6-74</b> A111822	Window Caulk Interior	Homogeneous White Non-fibrous Bound	98%	Caulk	2%	Paint	None Detected
<b>6-75</b> A111823	Window Caulk Interior	Homogeneous White Non-fibrous Bound	98%	Caulk	2%	Paint	None Detected
<b>6-76</b> A111824	Drier Vent Caulk	Homogeneous Yellow Non-fibrous Bound	98%	Caulk	2%	Paint	None Detected
<b>6-77</b> A111825	Drier Vent Caulk	Homogeneous Yellow Non-fibrous Bound	98%	Caulk	2%	Paint	None Detected
<b>6-78</b> A111826	Drier Vent Caulk	Homogeneous Yellow Non-fibrous Bound	98%	Caulk	2%	Paint	None Detected
<b>6-79</b> A111827	Gas Meter Caulk	Homogeneous Black Fibrous Bound	2%	Cellulose	75%	Tar	<b>10% Chrysotile</b>
					10%	Binder	
					3%	Paint	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
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**Lab Code:** A207171  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 6, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>6-80</b> A111828	Gas Meter Caulk	Homogeneous	2%	Cellulose	75%	Tar	<b>10% Chrysotile</b>
		Black			10%	Binder	
		Fibrous			3%	Paint	
		Bound					
<b>6-81</b> A111829	Gas Meter Caulk	Homogeneous	2%	Cellulose	75%	Tar	<b>10% Chrysotile</b>
		Black			10%	Binder	
		Fibrous			3%	Paint	
		Bound					
<b>6-82</b> A111830	Exterior Brick	Homogeneous			85%	Silicates	None Detected
		Red			15%	Binder	
		Non-fibrous					
		Bound					
<b>6-83</b> A111831	Exterior Brick	Homogeneous			85%	Silicates	None Detected
		Red			15%	Binder	
		Non-fibrous					
		Bound					
<b>6-84</b> A111832	Exterior Brick	Homogeneous			85%	Silicates	None Detected
		Red			15%	Binder	
		Non-fibrous					
		Bound					
<b>6-85</b> A111833	Exterior Brick Mortar	Homogeneous			80%	Silicates	None Detected
		Gray			20%	Binder	
		Non-fibrous					
		Bound					
<b>6-86</b> A111834	Exterior Brick Mortar	Homogeneous			80%	Silicates	None Detected
		Gray			20%	Binder	
		Non-fibrous					
		Bound					

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>6-87</b> A111835	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	80% 20%	Silicates Binder	None Detected
<b>6-88</b> A111836	Transite	Homogeneous Gray,White Fibrous Bound	70% 12% 3%	Silicates Binder Paint	<b>15% Chrysotile</b>
<b>6-89</b> A111837	Transite	Homogeneous Gray,White Fibrous Bound	70% 12% 3%	Silicates Binder Paint	<b>15% Chrysotile</b>
<b>6-90</b> A111838	Transite	Homogeneous Gray,White Fibrous Bound	70% 12% 3%	Silicates Binder Paint	<b>15% Chrysotile</b>

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb        = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

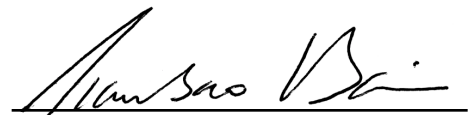
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_

  
Michael Hoxie

**APPROVED BY:** \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

**LAB USE ONLY:**  
 CEI Lab Code: A207171  
 CEI Lab I.D. Range: A111744-A111838

90

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	<u>Ken Karuhn</u>
Company:	<u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:	
Address:	<u>600W. Van Buren Ste. 500</u>	Project Name:	<u>Building 6</u>
	<u>Chicago, IL. 60607</u>	Project ID#:	<u>E161190057</u>
Email:	<u>KKaruhn@CCAltd.com</u>	PO #:	
Tel:	Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5/20 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A-207171

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 6
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
6-01	12x12 FT Beige Mottled Living Rm 1120A	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
03	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
04	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
07	12x12 FT Beige Streaked	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
13	12x12 FT Beige w/Brown Streak Kitchen	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
16	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
19	FT Beige Kitchen	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
21	↓ 2nd fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
22	mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
25	FT Beige Kitchen	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
6-27	↓ ↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>



# ASBESTOS SAMPLING FORM



### COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name:	Building 6
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM	TEM
6-28	Mastic Assoc		<input checked="" type="checkbox"/>	<input type="checkbox"/>
29	↓		<input type="checkbox"/>	<input type="checkbox"/>
30	↓		<input type="checkbox"/>	<input type="checkbox"/>
31	Beige Vinyl Baseboard 2 <sup>nd</sup> FL BATH		<input type="checkbox"/>	<input type="checkbox"/>
32	↓		<input type="checkbox"/>	<input type="checkbox"/>
33	↓		<input type="checkbox"/>	<input type="checkbox"/>
34	Adhesive Assoc		<input type="checkbox"/>	<input type="checkbox"/>
35	↓		<input type="checkbox"/>	<input type="checkbox"/>
36	↓		<input type="checkbox"/>	<input type="checkbox"/>
37	Black Baseboard 1 <sup>st</sup> FL		<input type="checkbox"/>	<input type="checkbox"/>
38	↓		<input type="checkbox"/>	<input type="checkbox"/>
39	↓		<input type="checkbox"/>	<input type="checkbox"/>
40	Adhesive Assoc		<input type="checkbox"/>	<input type="checkbox"/>
41	↓		<input type="checkbox"/>	<input type="checkbox"/>
42	↓		<input type="checkbox"/>	<input type="checkbox"/>
43	Drywall - Joint		<input type="checkbox"/>	<input type="checkbox"/>
44	↓		<input type="checkbox"/>	<input type="checkbox"/>
45	↓		<input type="checkbox"/>	<input type="checkbox"/>
46	Sink Under Coating Kitchen		<input type="checkbox"/>	<input type="checkbox"/>
47	↓		<input type="checkbox"/>	<input type="checkbox"/>
48	↓		<input type="checkbox"/>	<input type="checkbox"/>
49	Shower Wall Adhesive - BATH		<input type="checkbox"/>	<input type="checkbox"/>
50	↓		<input type="checkbox"/>	<input type="checkbox"/>
51	↓		<input type="checkbox"/>	<input type="checkbox"/>
52	Brown Stair Tread		<input type="checkbox"/>	<input type="checkbox"/>
53	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
6-54	↓		<input type="checkbox"/>	<input type="checkbox"/>

A20717

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 6
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
6-55	Adhesive Assoc.		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
56	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
57	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
58	Black Vinyl Vibration Dampner		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
59	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
60	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
61	Textured Wall Paper 2 <sup>nd</sup> Floor		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
62	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
63	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
64	Door Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
65	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
66	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
67	Window Caulk Exterior		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
68	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
69	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
70	Eave Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
71	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
72	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
73	Window Caulk Interior		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
74	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
75	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
76	Drier Vent Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
77	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
78	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
79	Gas Meter Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
80	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
6-81	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>



June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 7, E161190057  
**CEI LAB CODE:** A207172

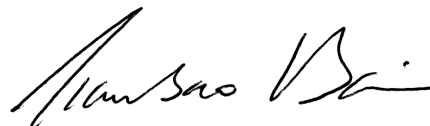
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 7, E161190057

LAB CODE: A207172

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 51

# SAMPLES >1% ASBESTOS: 17

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 7, E161190057

LAB CODE: A207172

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
7-01		A111839	Brown	Floor Sheeting	None Detected
7-02		A111840	Brown	Floor Sheeting	None Detected
7-03		A111841	Brown	Floor Sheeting	None Detected
7-04		A111842	Black	Adhesive	None Detected
7-05		A111843	Clear	Adhesive	None Detected
7-06		A111844	Clear	Adhesive	None Detected
7-07		A111845	Blue	Floor Sheeting	None Detected
7-08		A111846	Blue	Floor Sheeting	None Detected
7-09		A111847	Blue	Floor Sheeting	None Detected
7-10		A111848	Clear	Adhesive	None Detected
7-11		A111849	Clear	Adhesive	None Detected
7-12		A111850	Clear	Adhesive	None Detected
7-13		A111851	Beige	Floor Tile	Chrysotile 2%
7-14		A111852	Beige	Floor Tile	Chrysotile 2%
7-15		A111853	Beige	Floor Tile	Chrysotile 2%
7-16		A111854	Black	Mastic	Chrysotile 5%
7-17		A111855	Black	Mastic	Chrysotile 5%
7-18		A111856	Black	Mastic	Chrysotile 5%
7-19		A111857	Brown	Stair Tread	None Detected
7-20		A111858	Brown	Stair Tread	None Detected
7-21		A111859	Brown	Stair Tread	None Detected
7-22		A111860	Brown	Adhesive	None Detected
7-23		A111861	Brown	Adhesive	None Detected
7-24		A111862	Brown	Adhesive	None Detected
7-25		A111863	Beige	Joint Compound	Chrysotile 2%
7-26		A111864	Beige	Joint Compound	Chrysotile 2%
7-27		A111865	Brown,White	Drywall	None Detected
7-28	Layer 1	A111866	White	Window Caulk	Chrysotile 2%
	Layer 2	A111866	White	Window Caulk	None Detected
7-29	Layer 1	A111867	White	Window Caulk	Chrysotile 2%
	Layer 2	A111867	White	Window Caulk	None Detected

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 7, E161190057

LAB CODE: A207172

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
7-30	Layer 1	A111868	White	Window Caulk	<b>Chrysotile 2%</b>
	Layer 2	A111868	White	Window Caulk	None Detected
7-31		A111869	White	Door Caulk	None Detected
7-32		A111870	White	Door Caulk	None Detected
7-33		A111871	White	Door Caulk	None Detected
7-34		A111872	White	Eave Caulk	None Detected
7-35		A111873	White	Eave Caulk	None Detected
7-36		A111874	White	Eave Caulk	None Detected
7-37		A111875	Red	Ext. Brick	None Detected
7-38		A111876	Red	Ext. Brick	None Detected
7-39		A111877	Red	Ext. Brick	None Detected
7-40		A111878	Gray	Ext. Brick Mortar	None Detected
7-41		A111879	Gray	Ext. Brick Mortar	None Detected
7-42		A111880	Gray	Ext. Brick Mortar	None Detected
7-43		A111881	Gray,White	Transite Siding	<b>Chrysotile 10%</b>
7-44		A111882	Gray,White	Transite Siding	<b>Chrysotile 10%</b>
7-45		A111883	Gray,White	Transite Siding	<b>Chrysotile 10%</b>
7-46	Layer 1	A111884	White	Drier Caulk	None Detected
	Layer 2	A111884	Gray	Drier Caulk	None Detected
	Layer 3	A111884	Brown	Drier Caulk	None Detected
7-47		A111885	Brown	Drier Caulk	None Detected
7-48		A111886	Brown	Drier Caulk	None Detected
7-49		A111887	Black	Gas Meter Caulk	<b>Chrysotile 10%</b>
7-50		A111888	Black	Gas Meter Caulk	<b>Chrysotile 10%</b>
7-51		A111889	Black	Gas Meter Caulk	<b>Chrysotile 10%</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207172  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>7-01</b> A111839	Floor Sheeting	Heterogeneous Brown Fibrous Bound	2%	Fiberglass	20% 78%	Calc Carb Vinyl	None Detected
<b>7-02</b> A111840	Floor Sheeting	Heterogeneous Brown Fibrous Bound	2%	Fiberglass	20% 78%	Calc Carb Vinyl	None Detected
<b>7-03</b> A111841	Floor Sheeting	Heterogeneous Brown Fibrous Bound	2%	Fiberglass	20% 78%	Calc Carb Vinyl	None Detected
<b>7-04</b> A111842	Adhesive	Homogeneous Black Fibrous Bound	10%	Cellulose	90%	Mastic	None Detected
<b>7-05</b> A111843	Adhesive	Homogeneous Clear Fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
<b>7-06</b> A111844	Adhesive	Homogeneous Clear Fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
<b>7-07</b> A111845	Floor Sheeting	Homogeneous Blue Fibrous Bound	2%	Fiberglass	20% 78%	Gravel Vinyl	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207172  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>7-08</b> A111846	Floor Sheeting	Homogeneous Blue Fibrous Bound	2%	Fiberglass	20%	Gravel Vinyl	None Detected
<b>7-09</b> A111847	Floor Sheeting	Homogeneous Blue Fibrous Bound	2%	Fiberglass	20%	Gravel Vinyl	None Detected
<b>7-10</b> A111848	Adhesive	Homogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>7-11</b> A111849	Adhesive	Homogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>7-12</b> A111850	Adhesive	Homogeneous Clear Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
<b>7-13</b> A111851	Floor Tile	Homogeneous Beige Fibrous Tightly Bound	5%	Cellulose	25%	Calc Carb Vinyl	<b>2% Chrysotile</b>
<b>7-14</b> A111852	Floor Tile	Homogeneous Beige Fibrous Tightly Bound	5%	Cellulose	25%	Calc Carb Vinyl	<b>2% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
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**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>7-15</b> A111853	Floor Tile	Homogeneous Beige Fibrous Bound	5%	Cellulose 25%	Calc Carb 68%	<b>2% Chrysotile</b>
<b>7-16</b> A111854	Mastic	Homogeneous Black Fibrous Bound		95%	Mastic	<b>5% Chrysotile</b>
<b>7-17</b> A111855	Mastic	Homogeneous Black Fibrous Bound		95%	Mastic	<b>5% Chrysotile</b>
<b>7-18</b> A111856	Mastic	Homogeneous Black Fibrous Bound		95%	Mastic	<b>5% Chrysotile</b>
<b>7-19</b> A111857	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>7-20</b> A111858	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>7-21</b> A111859	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound		100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Lab Code:** A207172  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
7-22 A111860	Adhesive	Homogeneous Brown Fibrous Bound	10%	Cellulose	90%	Mastic	None Detected
7-23 A111861	Adhesive	Homogeneous Brown Fibrous Bound	10%	Cellulose	90%	Mastic	None Detected
7-24 A111862	Adhesive	Homogeneous Brown Fibrous Bound	10%	Cellulose	90%	Mastic	None Detected
7-25 A111863	Joint Compound	Homogeneous Beige Fibrous Bound			10% 15% 73%	Paint Silicates Calc Carb	2% Chrysotile
Lab Notes: No drywall present.							
7-26 A111864	Joint Compound	Homogeneous Beige Fibrous Bound			10% 15% 73%	Paint Silicates Calc Carb	2% Chrysotile
Lab Notes: No drywall present.							
7-27 A111865	Drywall	Homogeneous Brown,White Fibrous Bound	20%	Cellulose	10% 70%	Silicates Gypsum	None Detected
Lab Notes: No joint compound present.							
7-28 Layer 1 A111866	Window Caulk	Heterogeneous White Fibrous Bound			5% 30% 63%	Paint Calc Carb Binder	2% Chrysotile

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207172  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A111866	Window Caulk	Homogeneous White Fibrous Bound	2%	Fiberglass	5%	Paint Calc Carb Binder	None Detected
<b>7-29</b> Layer 1 A111867	Window Caulk	Heterogeneous White Fibrous Bound			5%	Paint Calc Carb Binder	<b>2% Chrysotile</b>
Layer 2 A111867	Window Caulk	Homogeneous White Fibrous Bound	2%	Fiberglass	5%	Paint Calc Carb Binder	None Detected
<b>7-30</b> Layer 1 A111868	Window Caulk	Heterogeneous White Fibrous Bound			5%	Paint Calc Carb Binder	<b>2% Chrysotile</b>
Layer 2 A111868	Window Caulk	Homogeneous White Fibrous Bound	2%	Fiberglass	5%	Paint Calc Carb Binder	None Detected
<b>7-31</b> A111869	Door Caulk	Homogeneous White Non-fibrous Bound			15%	Calc Carb Binder	None Detected
<b>7-32</b> A111870	Door Caulk	Homogeneous White Non-fibrous Bound			15%	Calc Carb Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 Chicago, IL 60607

**Lab Code:** A207172  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>7-33</b> A111871	Door Caulk	Homogeneous White Non-fibrous Bound	15% 85%	Calc Carb Binder	None Detected
<b>7-34</b> A111872	Eave Caulk	Homogeneous White Non-fibrous Bound	20% 80%	Calc Carb Binder	None Detected
<b>7-35</b> A111873	Eave Caulk	Homogeneous White Non-fibrous Bound	20% 80%	Calc Carb Binder	None Detected
<b>7-36</b> A111874	Eave Caulk	Homogeneous White Non-fibrous Bound	20% 80%	Calc Carb Binder	None Detected
<b>7-37</b> A111875	Ext. Brick	Homogeneous Red Non-fibrous Bound	20% 80%	Silicates Binder	None Detected
<b>7-38</b> A111876	Ext. Brick	Homogeneous Red Non-fibrous Bound	20% 80%	Silicates Binder	None Detected
<b>7-39</b> A111877	Ext. Brick	Homogeneous Red Non-fibrous Bound	20% 80%	Silicates Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207172  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>7-40</b> A111878	Ext. Brick Mortar	Homogeneous Gray Non-fibrous Bound	75% 25%	Calc Carb Binder	None Detected
<b>7-41</b> A111879	Ext. Brick Mortar	Homogeneous Gray Non-fibrous Bound	75% 25%	Calc Carb Binder	None Detected
<b>7-42</b> A111880	Ext. Brick Mortar	Homogeneous Gray Non-fibrous Bound	75% 25%	Calc Carb Binder	None Detected
<b>7-43</b> A111881	Transite Siding	Heterogeneous Gray,White Fibrous Bound	3% 50% 37%	Paint Calc Carb Binder	<b>10% Chrysotile</b>
<b>7-44</b> A111882	Transite Siding	Heterogeneous Gray,White Fibrous Bound	3% 50% 37%	Paint Calc Carb Binder	<b>10% Chrysotile</b>
<b>7-45</b> A111883	Transite Siding	Heterogeneous Gray,White Fibrous Bound	3% 50% 37%	Paint Calc Carb Binder	<b>10% Chrysotile</b>
<b>7-46</b> Layer 1 A111884	Drier Caulk	Heterogeneous White Non-fibrous Bound	30% 70%	Calc Carb Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207172  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 7, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A111884	Drier Caulk	Heterogeneous Gray Non-fibrous Bound	30% 70%	Calc Carb Binder	None Detected
Layer 3 A111884	Drier Caulk	Heterogeneous Brown Non-fibrous Bound	30% 70%	Calc Carb Binder	None Detected
<b>7-47</b> A111885	Drier Caulk	Heterogeneous Brown Non-fibrous Bound	30% 70%	Calc Carb Binder	None Detected
<b>7-48</b> A111886	Drier Caulk	Heterogeneous Brown Non-fibrous Bound	30% 70%	Calc Carb Binder	None Detected
<b>7-49</b> A111887	Gas Meter Caulk	Heterogeneous Black Fibrous Bound	5% 85%	Paint Tar	<b>10% Chrysotile</b>
<b>7-50</b> A111888	Gas Meter Caulk	Heterogeneous Black Fibrous Bound	90%	Tar	<b>10% Chrysotile</b>
<b>7-51</b> A111889	Gas Meter Caulk	Heterogeneous Black Fibrous Bound	90%	Tar	<b>10% Chrysotile</b>

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight


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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*


This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

**ANALYST:**

  
Gary A. Swanson

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director





730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

**LAB USE ONLY:**  
 CEI Lab Code: A207172  
 CEI Lab I.D. Range: A111839-A111889

(51)

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	<u>Ken Karuhn</u>
Company:	<u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:	
Address:	<u>600W. Van Buren Ste. 500</u> <u>Chicago, IL 60607</u>	Project Name:	<u>Building 7</u>
Email:	<u>KKaruhn@CCA Ltd.com</u>	Project ID#:	<u>E161190057</u>
Tel:	Fax:	PO #:	
		STATE SAMPLES COLLECTED IN: <u>IL</u>	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:			<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time	
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5</u>	<u>9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207172

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 7
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	1124A	VOLUME/ AREA	TEST			
7-01	Brown Floor Sheeting		L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7-02	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-03	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-04	Adhesive Assoc			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-05	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-06	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-07	Blue Floor Sheeting		L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-08	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-09	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-10	Adhesive Assoc			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-11	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-12	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-13	12x12" Ft Beige		L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-14	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-15	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-16	Mastic Assoc			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-17	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-18	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-19	Brown Stair Tread			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-20	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-21	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-22	Adhesive Assoc			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-23	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-24	↓			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-25	Drywall - Joint			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-26	↓			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7-27	↓			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
				PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207172

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 7
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-28	Window Caulk		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7-29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-31	Door Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-34	Eave Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-37	Ext. Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-40	Ext Brick Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-43	Transite Siding		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-46	Drier Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
7-47	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7-48	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7-49	Gas Meter Caulk		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7-50	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7-51	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 8, E161190057  
**CEI LAB CODE:** A207173

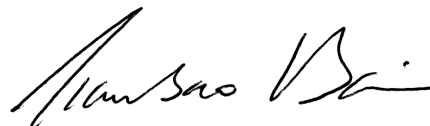
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 8, E161190057

LAB CODE: A207173

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 57

# SAMPLES >1% ASBESTOS: 21

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 8, E161190057

LAB CODE: A207173

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
8-01		A111890	Beige,Brown	Floor Tile	None Detected
8-02		A111891	Beige,Brown	Floor Tile	None Detected
8-03		A111892	Beige,Brown	Floor Tile	None Detected
8-04	Layer 1	A111893	Yellow	Mastic	None Detected
	Layer 2	A111893	Black	Mastic	Chrysotile 2%
8-05	Layer 1	A111894	Yellow	Mastic	None Detected
	Layer 2	A111894	Black	Mastic	Chrysotile 2%
8-06	Layer 1	A111895	Yellow	Mastic	None Detected
	Layer 2	A111895	Black	Mastic	Chrysotile 2%
8-07		A111896	Beige	Floor Tile	None Detected
8-08		A111897	Beige	Floor Tile	None Detected
8-09		A111898	Beige	Floor Tile	None Detected
8-10		A111899	Yellow	Mastic	None Detected
8-11		A111900	Yellow	Mastic	None Detected
8-12		A111901	Yellow	Mastic	None Detected
8-13		A111902	Beige	Floor Tile	None Detected
8-14		A111903	Beige	Floor Tile	None Detected
8-15		A111904	Beige	Floor Tile	None Detected
8-16		A111905	Black	Mastic	Chrysotile 5%
8-17		A111906	Black	Mastic	Chrysotile 5%
8-18		A111907	Black	Mastic	Chrysotile 5%
8-19		A111908	Beige	Floor Tile	None Detected
8-20		A111909	Beige	Floor Tile	None Detected
8-21		A111910	Beige	Floor Tile	None Detected
8-22		A111911	Black	Mastic	Chrysotile 5%
8-23		A111912	Black	Mastic	Chrysotile 5%
8-24		A111913	Black	Mastic	Chrysotile 5%
8-25		A111914	Brown	Floor Tile	Chrysotile 10%
8-26		A111915	Brown	Floor Tile	Chrysotile 10%
8-27		A111916	Brown	Floor Tile	Chrysotile 10%
8-28		A111917	Black	Mastic	Chrysotile 5%

**PROJECT:** Building 8, E161190057

**LAB CODE:** A207173

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
8-29		A111918	Black	Mastic	<b>Chrysotile 5%</b>
8-30		A111919	Black	Mastic	<b>Chrysotile 5%</b>
8-31		A111920	Off-white	Drywall	None Detected
8-32		A111921	Off-white	Drywall	None Detected
8-33		A111922	Off-white	Drywall	None Detected
8-34		A111923	Beige	Sink Undercoating	None Detected
8-35		A111924	Beige	Sink Undercoating	None Detected
8-36		A111925	Beige	Sink Undercoating	None Detected
8-37		A111926	Off-white	Elbow Insulation	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
8-38		A111927	Off-white	Elbow Insulation	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
8-39		A111928	Off-white	Elbow Insulation	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
8-40		A111929	Off-white	Door Caulk	None Detected
8-41		A111930	Off-white	Door Caulk	None Detected
8-42		A111931	Off-white	Door Caulk	None Detected
8-43		A111932	Off-white	Window Caulk	None Detected
8-44		A111933	Off-white	Window Caulk	None Detected
8-45		A111934	Off-white	Window Caulk	None Detected
8-46		A111935	Yellow,Tan	Adhesive	None Detected
8-47		A111936	Yellow,Tan	Adhesive	None Detected
8-48		A111937	Yellow,Tan	Adhesive	None Detected
8-49	Layer 1	A111938	Gray,White	Transite	<b>Chrysotile 15%</b>
	Layer 2	A111938	Brown	Felt Paper	None Detected
8-50	Layer 1	A111939	Gray,White	Transite	<b>Chrysotile 15%</b>
	Layer 2	A111939	Brown	Felt Paper	None Detected
8-51		A111940	Gray,White	Transite	<b>Chrysotile 15%</b>
8-52		A111941	Red	Brick	None Detected
8-53		A111942	Red	Brick	None Detected
8-54		A111943	Red	Brick	None Detected
8-55		A111944	Gray	Brick Mortar	None Detected



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 8, E161190057

**LAB CODE:** A207173

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
8-56		A111945	Gray	Brick Mortar	None Detected
8-57		A111946	Gray	Brick Mortar	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207173  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>8-01</b> A111890	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-02</b> A111891	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-03</b> A111892	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-04</b> Layer 1 A111893	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111893	Mastic	Homogeneous Black Non-fibrous Bound	98%	Mastic	<b>2% Chrysotile</b>
<b>8-05</b> Layer 1 A111894	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111894	Mastic	Homogeneous Black Non-fibrous Bound	98%	Mastic	<b>2% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207173  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>8-06</b> Layer 1 A111895	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A111895	Mastic	Homogeneous Black Non-fibrous Bound	98%	Mastic	<b>2% Chrysotile</b>
<b>8-07</b> A111896	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-08</b> A111897	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-09</b> A111898	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-10</b> A111899	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: Black Mastic Layer Insufficient For Analysis					
<b>8-11</b> A111900	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: Black Mastic Layer Insufficient For Analysis					

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207173  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>8-12</b> A111901	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: Black Mastic Layer Insufficient For Analysis					
<b>8-13</b> A111902	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-14</b> A111903	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-15</b> A111904	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>8-16</b> A111905	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>8-17</b> A111906	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>8-18</b> A111907	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>



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# ASBESTOS BULK ANALYSIS

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**Lab Code:** A207173  
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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
8-19 A111908	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
8-20 A111909	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
8-21 A111910	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
8-22 A111911	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	5% Chrysotile
8-23 A111912	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	5% Chrysotile
8-24 A111913	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	5% Chrysotile
8-25 A111914	Floor Tile	Homogeneous Brown Fibrous Bound	90%	Vinyl	10% Chrysotile

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Lab Code:** A207173  
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**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>8-26</b> A111915	Floor Tile	Homogeneous Brown Fibrous Bound	90%	Vinyl		<b>10% Chrysotile</b>	
<b>8-27</b> A111916	Floor Tile	Homogeneous Brown Fibrous Bound	90%	Vinyl		<b>10% Chrysotile</b>	
<b>8-28</b> A111917	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic		<b>5% Chrysotile</b>	
<b>8-29</b> A111918	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic		<b>5% Chrysotile</b>	
<b>8-30</b> A111919	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic		<b>5% Chrysotile</b>	
<b>8-31</b> A111920	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
Lab Notes: No Joint Compound Present							
<b>8-32</b> A111921	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
Lab Notes: No Joint Compound Present							

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207173  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>8-33</b> A111922	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
Lab Notes: No Joint Compound Present							
<b>8-34</b> A111923	Sink Undercoating	Homogeneous Beige Non-fibrous Bound	5%	Cellulose	90%	Binder 5% Silicates	None Detected
<b>8-35</b> A111924	Sink Undercoating	Homogeneous Beige Non-fibrous Bound	5%	Cellulose	90%	Binder 5% Silicates	None Detected
<b>8-36</b> A111925	Sink Undercoating	Homogeneous Beige Non-fibrous Bound	5%	Cellulose	90%	Binder 5% Silicates	None Detected
<b>8-37</b> A111926	Elbow Insulation	Homogeneous Off-white Fibrous Loosely Bound			80%	Binder 18% Calc Carb	<b>2% Amosite</b> <b>&lt;1% Chrysotile</b>
<b>8-38</b> A111927	Elbow Insulation	Homogeneous Off-white Fibrous Loosely Bound			80%	Binder 18% Calc Carb	<b>2% Amosite</b> <b>&lt;1% Chrysotile</b>
<b>8-39</b> A111928	Elbow Insulation	Homogeneous Off-white Fibrous Loosely Bound			80%	Binder 18% Calc Carb	<b>2% Amosite</b> <b>&lt;1% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 Chicago, IL 60607

**Lab Code:** A207173  
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**Date Reported:** 06-10-20

**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>8-40</b> A111929	Door Caulk	Homogeneous Off-white Non-fibrous Bound	100%	Caulk	None Detected
<b>8-41</b> A111930	Door Caulk	Homogeneous Off-white Non-fibrous Bound	100%	Caulk	None Detected
<b>8-42</b> A111931	Door Caulk	Homogeneous Off-white Non-fibrous Bound	100%	Caulk	None Detected
<b>8-43</b> A111932	Window Caulk	Homogeneous Off-white Non-fibrous Bound	<1%	Fiberglass	100% Caulk None Detected
<b>8-44</b> A111933	Window Caulk	Homogeneous Off-white Non-fibrous Bound	<1%	Fiberglass	100% Caulk None Detected
<b>8-45</b> A111934	Window Caulk	Homogeneous Off-white Non-fibrous Bound	<1%	Fiberglass	100% Caulk None Detected
<b>8-46</b> A111935	Adhesive	Homogeneous Yellow, Tan Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>8-47</b> A111936	Adhesive	Homogeneous Yellow, Tan Non-fibrous Bound	100%		Mastic	None Detected
<b>8-48</b> A111937	Adhesive	Homogeneous Yellow, Tan Non-fibrous Bound	100%		Mastic	None Detected
<b>8-49</b> Layer 1 A111938	Transite	Heterogeneous Gray, White Fibrous Bound	5%		Paint Binder Silicates	<b>15% Chrysotile</b>
Layer 2 A111938	Felt Paper	Heterogeneous Brown Fibrous Loosely Bound	80%	Cellulose	20% Tar	None Detected
<b>8-50</b> Layer 1 A111939	Transite	Heterogeneous Gray, White Fibrous Bound	5%		Paint Binder Silicates	<b>15% Chrysotile</b>
Layer 2 A111939	Felt Paper	Heterogeneous Brown Fibrous Loosely Bound	80%	Cellulose	20% Tar	None Detected
<b>8-51</b> A111940	Transite	Heterogeneous Gray, White Fibrous Bound	5%		Paint Binder Silicates	<b>15% Chrysotile</b>



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207173  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 8, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>8-52</b> A111941	Brick	Homogeneous Red Non-fibrous Tightly Bound	15% 85%	Binder Silicates	None Detected
<b>8-53</b> A111942	Brick	Homogeneous Red Non-fibrous Tightly Bound	15% 85%	Binder Silicates	None Detected
<b>8-54</b> A111943	Brick	Homogeneous Red Non-fibrous Tightly Bound	15% 85%	Binder Silicates	None Detected
<b>8-55</b> A111944	Brick Mortar	Homogeneous Gray Non-fibrous Bound	30% 60% 10%	Binder Silicates Calc Carb	None Detected
<b>8-56</b> A111945	Brick Mortar	Homogeneous Gray Non-fibrous Bound	30% 60% 10%	Binder Silicates Calc Carb	None Detected
<b>8-57</b> A111946	Brick Mortar	Homogeneous Gray Non-fibrous Bound	30% 60% 10%	Binder Silicates Calc Carb	None Detected

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb        = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*


This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

**ANALYST:**

  
Danielle Carrier

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY: (57)

CEI Lab Code: A707173

CEI Lab I.D. Range: A111890-A111946

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	<u>Ken Karuhn</u>
Company:	<u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:	
Address:	<u>600W. Van Buren Ste. 500</u>	Project Name:	<u>Building 8</u>
	<u>Chicago, IL 60607</u>	Project ID#:	<u>E161190057</u>
Email:	<u>Kkaruhn@CCA Ltd.com</u>	PO #:	
Tel:	Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:			<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/15/20 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A7287173

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 8
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-01	12x12 FT Beige & Brown Streak	1103 B	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
8-02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-03	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-04	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-07	12x12 FT Beige 1103 B Kitchen		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-10	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-13	12x12 FT Beige w/ Streak 1103 B Bed Room		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-16	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-19	12x12 FT Beige Mottled 1103 B Living Rm		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-21	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-22	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-25	Brown FT 1107		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
8-27	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A2087173

# ASBESTOS SAMPLING FORM



### COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name:	Building 8
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
8-28	Mastic Assoc.		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
8-29	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
8-30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-31	Drywall/ Joint Compound		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-34	Sink Under Coating 1103B		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-37	Elbow Insulation		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-40	Door Caulk 1103B		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-43	Window Caulk 1103B		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-46	Wall Adhesive 1103B		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-49	Transite Siding		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-52	Exterior Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
8-53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
8-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>



June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 9, E161190057  
**CEI LAB CODE:** A207174

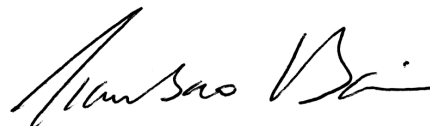
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

---

CLIENT PROJECT: Building 9, E161190057

LAB CODE: A207174

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 78

# SAMPLES >1% ASBESTOS: 18



# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 9, E161190057

LAB CODE: A207174

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
9-01		A111947	Wood, Patterned	Sheet Flooring	None Detected
9-02		A111948	Wood, Patterned	Sheet Flooring	None Detected
9-03		A111949	Wood, Patterned	Sheet Flooring	None Detected
9-04		A111950	Yellow	Adhesive	None Detected
9-05		A111951	Yellow	Adhesive	None Detected
9-06		A111952	Yellow	Adhesive	None Detected
9-07		A111953	Blue	Sheet Flooring	None Detected
9-08		A111954	Blue	Sheet Flooring	None Detected
9-09		A111955	Blue	Sheet Flooring	None Detected
9-10		A111956	White	Adhesive	None Detected
9-11		A111957	White	Adhesive	None Detected
9-12		A111958	White	Adhesive	None Detected
9-13		A111959	Gray	Leveling Compound	None Detected
9-14		A111960	Gray	Leveling Compound	None Detected
9-15		A111961	Gray	Leveling Compound	None Detected
9-16		A111962	Beige	Floor Tile	None Detected
9-17		A111963	Beige	Floor Tile	None Detected
9-18		A111964	Beige	Floor Tile	None Detected
9-19		A111965	Tan	Mastic	None Detected
9-20		A111966	Tan	Mastic	None Detected
9-21		A111967	Tan	Mastic	None Detected
9-22		A111968	Beige	Floor Tile	None Detected
9-23		A111969	Beige	Floor Tile	None Detected
9-24		A111970	Beige	Floor Tile	None Detected
9-25		A111971	Tan,Black	Mastic	Chrysotile 2%
9-26		A111972	Tan,Black	Mastic	Chrysotile 2%
9-27		A111973	Tan,Black	Mastic	Chrysotile 2%
9-28		A111974	Brown	Floor Tile	Chrysotile 10%
9-29		A111975	Brown	Floor Tile	Chrysotile 10%

**PROJECT:** Building 9, E161190057

**LAB CODE:** A207174

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
9-30		A111976	Brown	Floor Tile	<b>Chrysotile 10%</b>
9-31		A111977	Black	Mastic	<b>Chrysotile 5%</b>
9-32		A111978	Black	Mastic	<b>Chrysotile 5%</b>
9-33		A111979	Black	Mastic	<b>Chrysotile 5%</b>
9-34		A111980	Brown	Stair Tread	None Detected
9-35		A111981	Brown	Stair Tread	None Detected
9-36		A111982	Brown	Stair Tread	None Detected
9-37		A111983	Tan,Black	Adhesive	None Detected
9-38		A111984	Tan,Black	Adhesive	None Detected
9-39		A111985	Tan,Black	Adhesive	None Detected
9-40		A111986	White	Ceramic Mortar	None Detected
9-41		A111987	White	Ceramic Mortar	None Detected
9-42		A111988	White	Ceramic Mortar	None Detected
9-43		A111989	Beige,White	Drywall/Joint Compound	None Detected
9-44		A111990	Beige,White	Drywall/Joint Compound	None Detected
9-45		A111991	Beige,White	Drywall/Joint Compound	None Detected
9-46		A111992	White	Hard Elbow	<b>Chrysotile 2%</b> <b>Amosite 5%</b>
9-47		A111993	White	Hard Elbow	<b>Chrysotile 2%</b> <b>Amosite 5%</b>
9-48	Layer 1	A111994	White	Hard Elbow	<b>Chrysotile 2%</b> <b>Amosite 5%</b>
	Layer 2	A111994	White	Cloth	None Detected
9-49		A111995	White,Silver	Canvas Vibration Dampener	<b>Chrysotile 50%</b>
9-50		A111996	White,Silver	Canvas Vibration Dampener	<b>Chrysotile 50%</b>
9-51		A111997	White,Silver	Canvas Vibration Dampener	<b>Chrysotile 50%</b>
9-52		A111998	Black	Vibration Dampener	None Detected
9-53		A111999	Black	Vibration Dampener	None Detected
9-54		A112000	Black	Vibration Dampener	None Detected
9-55		A112001	White	Sink Undercoating	None Detected
9-56		A112002	White	Sink Undercoating	None Detected
9-57		A112003	White	Sink Undercoating	None Detected

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 9, E161190057

LAB CODE: A207174

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
9-58		A112004	White,Gray	Window Caulking	None Detected
9-59		A112005	White,Gray	Window Caulking	None Detected
9-60		A112006	White,Gray	Window Caulking	None Detected
9-61		A112007	White	Door Caulking	None Detected
9-62		A112008	White	Door Caulking	None Detected
9-63		A112009	White	Door Caulking	None Detected
9-64		A112010	White	Drier Caulking	None Detected
9-65		A112011	White	Drier Caulking	None Detected
9-66		A112012	White	Drier Caulking	None Detected
9-67		A112013	Black	Pipe Wrap	None Detected
9-68		A112014	Black	Pipe Wrap	None Detected
9-69		A112015	Black	Pipe Wrap	None Detected
9-70		A112016	Gray,White	Transite	<b>Chrysotile 15%</b>
9-71		A112017	Gray,White	Transite	<b>Chrysotile 15%</b>
9-72		A112018	Gray,White	Transite	<b>Chrysotile 15%</b>
9-73		A112019	Red	Brick	None Detected
9-74		A112020	Red	Brick	None Detected
9-75		A112021	Red	Brick	None Detected
9-76		A112022	Gray	Brick Mortar	None Detected
9-77		A112023	Gray	Brick Mortar	None Detected
9-78		A112024	Gray	Brick Mortar	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>9-01</b> A111947	Sheet Flooring	Heterogeneous Wood,Patterned Non-fibrous Bound			100%	Vinyl	None Detected
<b>9-02</b> A111948	Sheet Flooring	Heterogeneous Wood,Patterned Non-fibrous Bound			100%	Vinyl	None Detected
<b>9-03</b> A111949	Sheet Flooring	Heterogeneous Wood,Patterned Non-fibrous Bound			100%	Vinyl	None Detected
<b>9-04</b> A111950	Adhesive	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>9-05</b> A111951	Adhesive	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>9-06</b> A111952	Adhesive	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>9-07</b> A111953	Sheet Flooring	Heterogeneous Blue Fibrous Bound	3%	Fiberglass	97%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>9-08</b> A111954	Sheet Flooring	Heterogeneous Blue Fibrous Bound	3%	Fiberglass	97%	Vinyl	None Detected
<b>9-09</b> A111955	Sheet Flooring	Heterogeneous Blue Fibrous Bound	3%	Fiberglass	97%	Vinyl	None Detected
<b>9-10</b> A111956	Adhesive	Homogeneous White Non-fibrous Bound			90%	Mastic	None Detected
					10%	Silicates	
<b>9-11</b> A111957	Adhesive	Homogeneous White Non-fibrous Bound			90%	Mastic	None Detected
					10%	Silicates	
<b>9-12</b> A111958	Adhesive	Homogeneous White Non-fibrous Bound			90%	Mastic	None Detected
					10%	Silicates	
<b>9-13</b> A111959	Leveling Compound	Heterogeneous Gray Non-fibrous Bound			95%	Binder	None Detected
					5%	Silicates	
<b>9-14</b> A111960	Leveling Compound	Heterogeneous Gray Non-fibrous Bound			95%	Binder	None Detected
					5%	Silicates	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>9-15</b> A111961	Leveling Compound	Heterogeneous Gray Non-fibrous Bound	95% 5%	Binder Silicates	None Detected
<b>9-16</b> A111962	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>9-17</b> A111963	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>9-18</b> A111964	Floor Tile	Homogeneous Beige Non-fibrous Bound	100%	Vinyl	None Detected
<b>9-19</b> A111965	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>9-20</b> A111966	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>9-21</b> A111967	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
9-22 A111968	Floor Tile	Homogeneous Beige Non-fibrous Bound	3%	Cellulose	97%	Vinyl	None Detected
9-23 A111969	Floor Tile	Homogeneous Beige Non-fibrous Bound	3%	Cellulose	97%	Vinyl	None Detected
9-24 A111970	Floor Tile	Homogeneous Beige Non-fibrous Bound	3%	Cellulose	97%	Vinyl	None Detected
9-25 A111971	Mastic	Heterogeneous Tan,Black Non-fibrous Bound			98%	Mastic	2% Chrysotile
Lab Notes: Unable to separate mastics for analysis.							
9-26 A111972	Mastic	Heterogeneous Tan,Black Non-fibrous Bound			98%	Mastic	2% Chrysotile
Lab Notes: Unable to separate mastics for analysis.							
9-27 A111973	Mastic	Heterogeneous Tan,Black Non-fibrous Bound			98%	Mastic	2% Chrysotile
Lab Notes: Unable to separate mastics for analysis.							
9-28 A111974	Floor Tile	Homogeneous Brown Fibrous Bound			90%	Vinyl	10% Chrysotile

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>9-29</b> A111975	Floor Tile	Homogeneous Brown Fibrous Bound	90%	Vinyl	<b>10% Chrysotile</b>
<b>9-30</b> A111976	Floor Tile	Homogeneous Brown Fibrous Bound	90%	Vinyl	<b>10% Chrysotile</b>
<b>9-31</b> A111977	Mastic	Homogeneous Black Non-fibrous Bound	92% 3%	Tar Silicates	<b>5% Chrysotile</b>
<b>9-32</b> A111978	Mastic	Homogeneous Black Non-fibrous Bound	95%	Tar	<b>5% Chrysotile</b>
<b>9-33</b> A111979	Mastic	Homogeneous Black Non-fibrous Bound	92% 3%	Tar Silicates	<b>5% Chrysotile</b>
<b>9-34</b> A111980	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Binder	None Detected
<b>9-35</b> A111981	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Binder	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>9-36</b> A111982	Stair Tread	Homogeneous Brown Non-fibrous Bound			100%	Binder	None Detected
<b>9-37</b> A111983	Adhesive	Heterogeneous Tan,Black Non-fibrous Bound	2%	Cellulose	93%	Mastic Binder	None Detected
Lab Notes: Unable to separate mastics for analysis.							
<b>9-38</b> A111984	Adhesive	Heterogeneous Tan,Black Non-fibrous Bound	2%	Cellulose	93%	Mastic Binder	None Detected
Lab Notes: Unable to separate mastics for analysis.							
<b>9-39</b> A111985	Adhesive	Heterogeneous Tan,Black Non-fibrous Bound	2%	Cellulose	93%	Mastic Binder	None Detected
Lab Notes: Unable to separate mastics for analysis.							
<b>9-40</b> A111986	Ceramic Mortar	Heterogeneous White Fibrous Bound	<1%	Cellulose	10%	Silicates Binder Calc Carb	None Detected
<b>9-41</b> A111987	Ceramic Mortar	Heterogeneous White Fibrous Bound	<1%	Cellulose	10%	Silicates Binder Calc Carb	None Detected
<b>9-42</b> A111988	Ceramic Mortar	Heterogeneous White Fibrous Bound	<1%	Cellulose	10%	Silicates Binder Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>9-43</b> A111989	Drywall/Joint Compound	Heterogeneous	13%	Cellulose	75%	Gypsum	None Detected
		Beige,White	2%	Fiberglass	<1%	Paint	
		Fibrous			10%	Calc Carb	
		Bound					
<b>9-44</b> A111990	Drywall/Joint Compound	Heterogeneous	13%	Cellulose	75%	Gypsum	None Detected
		Beige,White	2%	Fiberglass	<1%	Paint	
		Fibrous			10%	Calc Carb	
		Bound					
<b>9-45</b> A111991	Drywall/Joint Compound	Heterogeneous	13%	Cellulose	75%	Gypsum	None Detected
		Beige,White	2%	Fiberglass	<1%	Paint	
		Fibrous			10%	Calc Carb	
		Bound					
<b>9-46</b> A111992	Hard Elbow	Heterogeneous	5%	Cellulose	85%	Binder	<b>2% Chrysotile</b> <b>5% Amosite</b>
		White	3%	Fiberglass			
		Fibrous					
		Loosely Bound					
<b>9-47</b> A111993	Hard Elbow	Heterogeneous	5%	Cellulose	85%	Binder	<b>2% Chrysotile</b> <b>5% Amosite</b>
		White	3%	Fiberglass			
		Fibrous					
		Loosely Bound					
<b>9-48</b> Layer 1 A111994	Hard Elbow	Heterogeneous	5%	Cellulose	85%	Binder	<b>2% Chrysotile</b> <b>5% Amosite</b>
		White	3%	Fiberglass			
		Fibrous					
		Loosely Bound					
Layer 2 A111994	Cloth	Heterogeneous	85%	Cellulose	10%	Binder	None Detected
		White			5%	Paint	
		Fibrous					
		Bound					

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>9-49</b> A111995	Canvas Vibration Dampener	Heterogeneous White,Silver Fibrous Bound	35%	Fiberglass	13%	Binder Paint	<b>50% Chrysotile</b>
Lab Notes: Unable to separate silver paint from sample for analysis.							
<b>9-50</b> A111996	Canvas Vibration Dampener	Heterogeneous White,Silver Fibrous Bound	35%	Fiberglass	13%	Binder Paint	<b>50% Chrysotile</b>
Lab Notes: Unable to separate silver paint from sample for analysis.							
<b>9-51</b> A111997	Canvas Vibration Dampener	Heterogeneous White,Silver Fibrous Bound	35%	Fiberglass	13%	Binder Paint	<b>50% Chrysotile</b>
Lab Notes: Unable to separate silver paint from sample for analysis.							
<b>9-52</b> A111998	Vibration Dampener	Heterogeneous Black Fibrous Bound	25%	Synthetic Fiber	75%	Binder	None Detected
<b>9-53</b> A111999	Vibration Dampener	Heterogeneous Black Fibrous Bound	25%	Synthetic Fiber	75%	Binder	None Detected
<b>9-54</b> A112000	Vibration Dampener	Heterogeneous Black Fibrous Bound	25%	Synthetic Fiber	75%	Binder	None Detected
<b>9-55</b> A112001	Sink Undercoating	Heterogeneous White Non-fibrous Bound			85%	Binder Silicates Mica	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>9-56</b> A112002	Sink Undercoating	Heterogeneous White Non-fibrous Bound	85% 10% 5%	Binder Silicates Mica	None Detected
<b>9-57</b> A112003	Sink Undercoating	Heterogeneous White Non-fibrous Bound	85% 10% 5%	Binder Silicates Mica	None Detected
<b>9-58</b> A112004	Window Caulking	Homogeneous White, Gray Non-fibrous Bound	95% 5%	Caulk Silicates	None Detected
<b>9-59</b> A112005	Window Caulking	Homogeneous White, Gray Non-fibrous Bound	95% 5%	Caulk Silicates	None Detected
<b>9-60</b> A112006	Window Caulking	Homogeneous White, Gray Non-fibrous Bound	95% 5%	Caulk Silicates	None Detected
<b>9-61</b> A112007	Door Caulking	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
<b>9-62</b> A112008	Door Caulking	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>9-63</b> A112009	Door Caulking	Homogeneous White Non-fibrous Bound	100%	Caulk		None Detected	
<b>9-64</b> A112010	Drier Caulking	Heterogeneous White Non-fibrous Bound	98%	Caulk	2%	Mastic	None Detected
<b>9-65</b> A112011	Drier Caulking	Heterogeneous White Non-fibrous Bound	98%	Caulk	2%	Mastic	None Detected
<b>9-66</b> A112012	Drier Caulking	Heterogeneous White Non-fibrous Bound	98%	Caulk	2%	Mastic	None Detected
<b>9-67</b> A112013	Pipe Wrap	Heterogeneous Black Non-fibrous Bound	55%	Cellulose	5%	Binder	None Detected
					35%	Tar	
					5%	Paint	
<b>9-68</b> A112014	Pipe Wrap	Heterogeneous Black Non-fibrous Bound	55%	Cellulose	10%	Binder	None Detected
					35%	Tar	
<b>9-69</b> A112015	Pipe Wrap	Heterogeneous Black Non-fibrous Bound	55%	Cellulose	10%	Binder	None Detected
					35%	Tar	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>9-70</b> A112016	Transite	Heterogeneous Gray,White Fibrous Tightly Bound		85%	Binder		<b>15% Chrysotile</b>
			<1%	Paint			
<b>9-71</b> A112017	Transite	Heterogeneous Gray,White Fibrous Tightly Bound		85%	Binder		<b>15% Chrysotile</b>
			<1%	Paint			
<b>9-72</b> A112018	Transite	Heterogeneous Gray,White Fibrous Tightly Bound		85%	Binder		<b>15% Chrysotile</b>
			<1%	Paint			
<b>9-73</b> A112019	Brick	Heterogeneous Red Non-fibrous Tightly Bound	<1%	Cellulose	55%	Binder	None Detected
					45%	Silicates	
<b>9-74</b> A112020	Brick	Heterogeneous Red Non-fibrous Tightly Bound	<1%	Cellulose	55%	Binder	None Detected
					45%	Silicates	
<b>9-75</b> A112021	Brick	Heterogeneous Red Non-fibrous Tightly Bound	<1%	Cellulose	55%	Binder	None Detected
					45%	Silicates	
<b>9-76</b> A112022	Brick Mortar	Heterogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Binder	None Detected
					35%	Silicates	

# ASBESTOS BULK ANALYSIS

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**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207174  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 9, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous			%
<b>9-77</b> A112023	Brick Mortar	Heterogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Binder	None Detected
					35%	Silicates	
<b>9-78</b> A112024	Brick Mortar	Heterogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Binder	None Detected
					35%	Silicates	

---

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb         = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*


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Information provided by customer includes customer sample ID and sample description.

**ANALYST:**

  
Elisabeth Thinh

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director





730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:  
 CEI Lab Code: A707174  
 CEI Lab I.D. Range: A119427-A12024

78

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <u>Ken Karuhn</u>
Company: <u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:
Address: <u>600W. Van Buren Ste. 500</u>	Project Name: <u>Building 9</u>
<u>Chicago, IL. 60607</u>	Project ID#: <u>E161190057</u>
Email: <u>KKaruhn@CCA Ltd.com</u>	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207174

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 9
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-01	Wood Floor Sheeting 1109 LivingRm	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
02	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
03	↓	2 <sup>nd</sup> Fl	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
04	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
05	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
06	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
07	Blue Sheeting 1109, 2 <sup>nd</sup> Fl	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
08	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
09	↓	Living Rm	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
13	Leveling Compound 1109 LivingRm	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15	↓	1109 2 <sup>nd</sup> Fl	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
16	FT Beige 1109, Living Rm	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
17	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
18	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
19	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
20	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
21	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
22	FT Beige 1109, Living Rm	L5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
23	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
24	↓	2 <sup>nd</sup> Fl	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
25	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
26	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
27	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207174

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 9
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-28	FT Brown 1109, 2 <sup>nd</sup> Fl		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
31	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
34	Brown Stair Tread, 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
37	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
40	Ceramic Mortar 1109 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
43	Drywall / Joint 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
46	Hard Elbow 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
49	Canvas Vibration Dampner 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
52	Black Vibration Dampner 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207174

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 9
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-55	Sink Under Coating 1109		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-56	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-57	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-58	Window Caulk 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-59	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-60	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-61	Door Caulk 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-62	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-63	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-64	Drier Caulk 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-65	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-66	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-67	Gas Meter Pipe Wrap 1109		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-68	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-69	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-70	Transite Siding		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
9-71	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-72	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-73	Brick, Exterior		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-74	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-75	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-76	Exterior Brick Mortar		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-77	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9-78	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 10, E161190057  
**CEI LAB CODE:** A207175

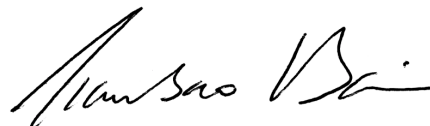
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 10, E161190057

LAB CODE: A207175

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 57

# SAMPLES >1% ASBESTOS: 15

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 10, E161190057

**LAB CODE:** A207175

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
10-01		A112025	Wood Pattern	Floor Sheeting	None Detected
10-02		A112026	Wood Pattern	Floor Sheeting	None Detected
10-03		A112027	Wood Pattern	Floor Sheeting	None Detected
10-04		A112028	Clear	Adhesive	None Detected
10-05		A112029	Clear	Adhesive	None Detected
10-06		A112030	Clear	Adhesive	None Detected
10-07		A112031	Blue	Sheeting	None Detected
10-08		A112032	Blue	Sheeting	None Detected
10-09		A112033	Blue	Sheeting	None Detected
10-10		A112034		No Sample Present in Sample Container	
10-11		A112035		No Sample Present in Sample Container	
10-12		A112036		No Sample Present in Sample Container	
10-13		A112037	Brown	Floor Tile	<b>Chrysotile 5%</b>
10-14		A112038	Brown	Floor Tile	<b>Chrysotile 5%</b>
10-15		A112039	Brown	Floor Tile	<b>Chrysotile 5%</b>
10-16		A112040	Black	Mastic	<b>Chrysotile 5%</b>
10-17		A112041	Black	Mastic	<b>Chrysotile 5%</b>
10-18		A112042	Black	Mastic	<b>Chrysotile 5%</b>
10-19		A112043	Brown	Stair Tread	None Detected
10-20		A112044	Brown	Stair Tread	None Detected
10-21		A112045	Brown	Stair Tread	None Detected
10-22		A112046	Yellow	Adhesive	None Detected
10-23		A112047	Yellow	Adhesive	None Detected
10-24		A112048	Yellow	Adhesive	None Detected
10-25		A112049	White	Drywall	None Detected
10-26		A112050	White	Drywall	None Detected
10-27		A112051	White	Drywall	None Detected
10-28		A112052	Gray	Sink Undercoating	None Detected
10-29		A112053	Gray	Sink Undercoating	None Detected



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 10, E161190057

LAB CODE: A207175

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
10-30		A112054	Gray	Sink Undercoating	None Detected
10-31		A112055	Beige	Floor Tile	None Detected
10-32		A112056	Beige	Floor Tile	None Detected
10-33		A112057	Beige	Floor Tile	None Detected
10-34		A112058	Yellow	Mastic	None Detected
10-35		A112059	Yellow	Mastic	None Detected
10-36		A112060	Yellow	Mastic	None Detected
10-37		A112061	Cream,White	Ceramic Tile Mortar	None Detected
10-38		A112062	Cream,White	Ceramic Tile Mortar	None Detected
10-39		A112063	Cream,White	Ceramic Tile Mortar	None Detected
10-40		A112064	White	Window Caulk	Chrysotile 2%
10-41		A112065	White	Window Caulk	Chrysotile 2%
10-42		A112066	White	Window Caulk	Chrysotile 2%
10-43		A112067	White,Brown	Door Caulk	None Detected
10-44		A112068	White,Brown	Door Caulk	None Detected
10-45		A112069	White,Brown	Door Caulk	None Detected
10-46	Layer 1	A112070	White	Eave Caulk	None Detected
	Layer 2	A112070	White	Eave Caulk	Chrysotile 2%
10-47	Layer 1	A112071	White	Eave Caulk	None Detected
	Layer 2	A112071	White	Eave Caulk	Chrysotile 2%
10-48	Layer 1	A112072	White	Eave Caulk	None Detected
	Layer 2	A112072	White	Eave Caulk	Chrysotile 2%
10-49		A112073	Tan	Dryer Caulk	None Detected
10-50		A112074	Tan	Dryer Caulk	None Detected
10-51		A112075	Tan	Dryer Caulk	None Detected
10-52		A112076	Red	Exterior Brick	None Detected
10-53		A112077	Red	Exterior Brick	None Detected
10-54		A112078	Red	Exterior Brick	None Detected
10-55		A112079	Gray	Exterior Brick Mortar	None Detected
10-56		A112080	Gray	Exterior Brick Mortar	None Detected
10-57		A112081	Gray	Exterior Brick Mortar	None Detected





CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 10, E161190057

**LAB CODE:** A207175

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
10-58		A112082	Gray	Transite Siding	<b>Chrysotile 15%</b>
10-59		A112083	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
10-60		A112084	Gray,White	Transite Siding	<b>Chrysotile 15%</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>10-01</b> A112025	Floor Sheeting	Heterogeneous Wood Pattern Non-fibrous Bound	<1% <1%	Fiberglass Synthetic Fiber	100% Vinyl	None Detected
<b>10-02</b> A112026	Floor Sheeting	Heterogeneous Wood Pattern Non-fibrous Bound	<1% <1%	Fiberglass Synthetic Fiber	100% Vinyl	None Detected
<b>10-03</b> A112027	Floor Sheeting	Heterogeneous Wood Pattern Non-fibrous Bound	<1% <1%	Fiberglass Synthetic Fiber	100% Vinyl	None Detected
<b>10-04</b> A112028	Adhesive	Homogeneous Clear Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>10-05</b> A112029	Adhesive	Homogeneous Clear Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>10-06</b> A112030	Adhesive	Homogeneous Clear Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>10-07</b> A112031	Sheeting	Heterogeneous Blue Non-fibrous Bound	<1%	Synthetic Fiber	100% Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
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**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>10-08</b> A112032	Sheeting	Heterogeneous Blue Non-fibrous Bound	<1%	Synthetic Fiber 100%	Vinyl	None Detected
<b>10-09</b> A112033	Sheeting	Heterogeneous Blue Non-fibrous Bound	<1%	Synthetic Fiber 100%	Vinyl	None Detected
<b>10-10</b> A112034	No Sample Present in Sample Container Lab Notes: No adhesive present on blue sheeting					
<b>10-11</b> A112035	No Sample Present in Sample Container Lab Notes: No adhesive present on blue sheeting					
<b>10-12</b> A112036	No Sample Present in Sample Container Lab Notes: No adhesive present on blue sheeting					
<b>10-13</b> A112037	Floor Tile	Homogeneous Brown Non-fibrous Bound		95%	Vinyl	<b>5% Chrysotile</b>
<b>10-14</b> A112038	Floor Tile	Homogeneous Brown Non-fibrous Bound		95%	Vinyl	<b>5% Chrysotile</b>
<b>10-15</b> A112039	Floor Tile	Homogeneous Brown Non-fibrous Bound		95%	Vinyl	<b>5% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>10-16</b> A112040	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>10-17</b> A112041	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>10-18</b> A112042	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>10-19</b> A112043	Stair Tread	Homogeneous Brown Non-fibrous Bound	90% 10%	Vinyl Binder	None Detected
<b>10-20</b> A112044	Stair Tread	Homogeneous Brown Non-fibrous Bound	90% 10%	Vinyl Binder	None Detected
<b>10-21</b> A112045	Stair Tread	Homogeneous Brown Non-fibrous Bound	90% 10%	Vinyl Binder	None Detected
<b>10-22</b> A112046	Adhesive	Homogeneous Yellow Non-fibrous Bound	2% 3%	Cellulose Mastic Non-Fibrous Debris	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>10-23</b> A112047	Adhesive	Homogeneous Yellow Non-fibrous Bound	2%	Cellulose	95%	Mastic Non-Fibrous Debris	None Detected
<b>10-24</b> A112048	Adhesive	Homogeneous Yellow Non-fibrous Bound	2%	Cellulose	95%	Mastic Non-Fibrous Debris	None Detected
<b>10-25</b> A112049	Drywall	Heterogeneous White Fibrous Bound	15% <1%	Cellulose Fiberglass	80% 5%	Gypsum Paint	None Detected
Lab Notes: No joint compound present							
<b>10-26</b> A112050	Drywall	Heterogeneous White Fibrous Bound	15% <1%	Cellulose Fiberglass	80% 5%	Gypsum Paint	None Detected
Lab Notes: No joint compound present							
<b>10-27</b> A112051	Drywall	Heterogeneous White Fibrous Bound	15% <1%	Cellulose Fiberglass	80% 5%	Gypsum Paint	None Detected
Lab Notes: No joint compound present							
<b>10-28</b> A112052	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	85% 10% 5%	Binder Silicates Mica	None Detected
<b>10-29</b> A112053	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	85% 10% 5%	Binder Silicates Mica	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>10-30</b> A112054	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	85%	Binder	None Detected
					10%	Silicates	
					5%	Mica	
<b>10-31</b> A112055	Floor Tile	Homogeneous Beige Non-fibrous Bound			100%	Vinyl	None Detected
					<1%	Paint	
<b>10-32</b> A112056	Floor Tile	Homogeneous Beige Non-fibrous Bound			100%	Vinyl	None Detected
<b>10-33</b> A112057	Floor Tile	Homogeneous Beige Non-fibrous Bound			100%	Vinyl	None Detected
<b>10-34</b> A112058	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
<b>10-35</b> A112059	Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>10-36</b> A112060	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 Chicago, IL 60607

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**Date Received:** 06-05-20  
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**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>10-37</b> A112061	Ceramic Tile Mortar	Heterogeneous Cream,White Non-fibrous Bound	65% 35%	Calc Carb Binder	None Detected
<b>10-38</b> A112062	Ceramic Tile Mortar	Heterogeneous Cream,White Non-fibrous Bound	65% 35%	Calc Carb Binder	None Detected
<b>10-39</b> A112063	Ceramic Tile Mortar	Heterogeneous Cream,White Non-fibrous Bound	65% 35%	Calc Carb Binder	None Detected
<b>10-40</b> A112064	Window Caulk	Heterogeneous White Non-fibrous Bound	3% 90% 5%	Paint Caulk Binder	<b>2% Chrysotile</b>
<b>10-41</b> A112065	Window Caulk	Heterogeneous White Non-fibrous Bound	3% 90% 5%	Paint Caulk Binder	<b>2% Chrysotile</b>
<b>10-42</b> A112066	Window Caulk	Heterogeneous White Non-fibrous Bound	3% 90% 5%	Paint Caulk Binder	<b>2% Chrysotile</b>
<b>10-43</b> A112067	Door Caulk	Heterogeneous White,Brown Non-fibrous Bound	5% 90% 5%	Paint Caulk Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>10-44</b> A112068	Door Caulk	Heterogeneous	5%	Paint	None Detected
		White,Brown	90%	Caulk	
		Non-fibrous	5%	Binder	
		Bound			
<b>10-45</b> A112069	Door Caulk	Heterogeneous	5%	Paint	None Detected
		White,Brown	90%	Caulk	
		Non-fibrous	5%	Binder	
		Bound			
<b>10-46</b> Layer 1 A112070	Eave Caulk	Heterogeneous	95%	Caulk	None Detected
		White	5%	Binder	
		Non-fibrous			
		Bound			
Layer 2 A112070	Eave Caulk	Heterogeneous	95%	Caulk	<b>2% Chrysotile</b>
		White	3%	Binder	
		Non-fibrous			
		Bound			
<b>10-47</b> Layer 1 A112071	Eave Caulk	Heterogeneous	95%	Caulk	None Detected
		White	5%	Binder	
		Non-fibrous			
		Bound			
Layer 2 A112071	Eave Caulk	Heterogeneous	95%	Caulk	<b>2% Chrysotile</b>
		White	3%	Binder	
		Non-fibrous			
		Bound			
<b>10-48</b> Layer 1 A112072	Eave Caulk	Heterogeneous	95%	Caulk	None Detected
		White	5%	Binder	
		Non-fibrous			
		Bound			



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A112072	Eave Caulk	Heterogeneous White Non-fibrous Bound	95% 3%	Caulk Binder	<b>2% Chrysotile</b>
<b>10-49</b> A112073	Dryer Caulk	Heterogeneous Tan Non-fibrous Bound	95% 5%	Caulk Binder	None Detected
<b>10-50</b> A112074	Dryer Caulk	Heterogeneous Tan Non-fibrous Bound	95% 5%	Caulk Binder	None Detected
<b>10-51</b> A112075	Dryer Caulk	Heterogeneous Tan Non-fibrous Bound	95% 5%	Caulk Binder	None Detected
<b>10-52</b> A112076	Exterior Brick	Homogeneous Red Non-fibrous Bound	35% 65%	Silicates Binder	None Detected
<b>10-53</b> A112077	Exterior Brick	Homogeneous Red Non-fibrous Bound	35% 65%	Silicates Binder	None Detected
<b>10-54</b> A112078	Exterior Brick	Homogeneous Red Non-fibrous Bound	35% 65%	Silicates Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207175  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 10, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>10-55</b> A112079	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	70% 30%	Silicates Binder	None Detected
<b>10-56</b> A112080	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	70% 30%	Silicates Binder	None Detected
<b>10-57</b> A112081	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	70% 30%	Silicates Binder	None Detected
<b>10-58</b> A112082	Transite Siding	Homogeneous Gray Fibrous Bound	35% 50%	Silicates Binder	<b>15% Chrysotile</b>
<b>10-59</b> A112083	Transite Siding	Heterogeneous Gray,White Fibrous Bound	30% 50% 5%	Silicates Binder Paint	<b>15% Chrysotile</b>
<b>10-60</b> A112084	Transite Siding	Heterogeneous Gray,White Fibrous Bound	30% 50% 5%	Silicates Binder Paint	<b>15% Chrysotile</b>

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

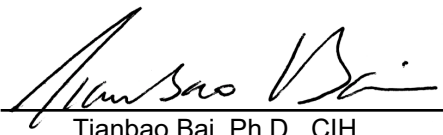
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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

**ANALYST:**   
Samantha Card

**APPROVED BY:**   
Tianbao Bai, Ph.D., CIH  
Laboratory Director



A207175

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 10
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10-01	Wood Floor Sheeting		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
10-02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
03	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
04	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
07	Blue Sheeting		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
13	RT Brown		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
16	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
19	Stair Tread		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
21	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
22	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
25	Drywall/Joint		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
↓ 26	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
10-27	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207175

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 10
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10-28	Sink Under Coating		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
31	12"x12" FT Beige Streaked		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
34	Master Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
37	Ceramic Tile Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
40	Window Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
43	Door Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
46	Eave Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
49	Drier Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
52	Exterior Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
10-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>



July 9, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 11, E161190057  
**CEI LAB CODE:** A207176

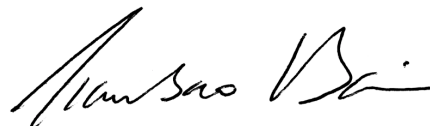
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director





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**AMENDED**

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**ASBESTOS ANALYTICAL REPORT**  
**By: Polarized Light Microscopy**

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 11, E161190057

LAB CODE: A207176

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 81

# SAMPLES >1% ASBESTOS: 19



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**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 11, E161190057**LAB CODE:** A207176**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
11-01		A112085	Brown	Floor Sheeting	None Detected
11-02		A112086	Brown	Floor Sheeting	None Detected
11-03		A112087	Brown	Floor Sheeting	None Detected
11-04		A112088	Clear	Adhesive	None Detected
11-05		A112089	Clear	Adhesive	None Detected
11-06		A112090	Clear	Adhesive	None Detected
11-07		A112091	Blue	Floor Sheeting	None Detected
11-08		A112092	Blue	Floor Sheeting	None Detected
11-09		A112093	Blue	Floor Sheeting	None Detected
11-10		A112094	Clear	Adhesive	None Detected
11-11		A112095	Clear	Adhesive	None Detected
11-12		A112096	Clear	Adhesive	None Detected
11-13		A112097	Beige	Floor Tile	None Detected
11-14		A112098	Beige	Floor Tile	None Detected
11-15		A112099	Beige	Floor Tile	None Detected
11-16		A112100	Tan	Mastic	None Detected
11-17		A112101	Tan	Mastic	None Detected
11-18	Layer 1	A112102	Tan	Mastic	None Detected
	Layer 2	A112102	Black	Mastic	<b>Chrysotile 5%</b>
	Layer 3	A112102	Gray	Leveling Compound	None Detected
11-19		A112103	Beige	Floor Tile	None Detected
11-20		A112104	Beige	Floor Tile	None Detected
11-21		A112105	Beige	Floor Tile	None Detected
11-22		A112106	Tan	Mastic	None Detected
11-23		A112107	Tan	Mastic	None Detected
11-24		A112108	Tan	Mastic	None Detected
11-25	Layer 1	A112109	Clear, Yellow	Mastic	None Detected
	Layer 2	A112109	Brown	Floor Tile	<b>Chrysotile 7%</b>
11-26	Layer 1	A112110	Clear, Yellow	Mastic	None Detected
	Layer 2	A112110	Brown	Floor Tile	<b>Chrysotile 7%</b>
11-27	Layer 1	A112111	Clear, Yellow	Mastic	None Detected



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**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 11, E161190057**LAB CODE:** A207176**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A112111	Brown	Floor Tile	<b>Chrysotile 7%</b>
11-28		A112112	Black	Mastic	<b>Chrysotile 5%</b>
11-29		A112113	Black	Mastic	<b>Chrysotile 5%</b>
11-30		A112114	Black	Mastic	<b>Chrysotile 5%</b>
11-31		A112115	Brown	Stair Tread	None Detected
11-32		A112116	Brown	Stair Tread	None Detected
11-33		A112117	Brown	Stair Tread	None Detected
11-34		A112118	Tan	Mastic	None Detected
11-35		A112119	Tan	Mastic	None Detected
11-36		A112120	Tan	Mastic	None Detected
11-37		A112121	Tan,Off-white	Joint Compound	<b>Chrysotile 2%</b>
11-38		A112122	Tan,Off-white	Joint Compound	<b>Chrysotile 2%</b>
11-39		A112123	Tan,Off-white	Joint Compound	<b>Chrysotile 2%</b>
11-40		A112124	Tan,Off-white	Hard Elbow	<b>Chrysotile 2%</b> <b>Amosite 2%</b>
11-41		A112125	Tan,Off-white	Hard Elbow	<b>Chrysotile 2%</b> <b>Amosite 2%</b>
11-42		A112126	Tan,Off-white	Hard Elbow	<b>Chrysotile 15%</b> <b>Amosite 2%</b>
11-43		A112127	Black	Tar	None Detected
11-44		A112128	Black	Tar	None Detected
11-45		A112129	Black	Tar	None Detected
11-46		A112130	Off-white	Canvas Vibration Dampener	<b>Chrysotile 25%</b>
11-47		A112131	Off-white	Canvas Vibration Dampener	<b>Chrysotile 25%</b>
11-48		A112132	Off-white	Canvas Vibration Dampener	<b>Chrysotile 25%</b>
11-49		A112133	Black	Vinyl Vibration Dampener	None Detected
11-50		A112134	Black	Vinyl Vibration Dampener	None Detected
11-51		A112135	Black	Vinyl Vibration Dampener	None Detected
11-52		A112136	Tan	Ceramic Mortar	None Detected
11-53		A112137	Tan	Ceramic Mortar	None Detected
11-54		A112138	Tan	Ceramic Mortar	None Detected
11-55		A112139	Gray	Sink Undercoating	None Detected



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**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 11, E161190057**LAB CODE:** A207176**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
11-56		A112140	Gray	Sink Undercoating	None Detected
11-57		A112141	Gray	Sink Undercoating	None Detected
11-58		A112142	White,Off-white	Door Caulk	None Detected
11-59		A112143	White,Off-white	Door Caulk	None Detected
11-60		A112144	White,Off-white	Door Caulk	None Detected
11-61		A112145	White,Beige	Window Caulk	Chrysotile <1%
11-62		A112146	White,Beige	Window Caulk	Chrysotile <1%
11-63		A112147	White,Beige	Window Caulk	Chrysotile <1%
11-64		A112148	White	Eave Caulk	None Detected
11-65		A112149	White	Eave Caulk	None Detected
11-66		A112150	White	Eave Caulk	None Detected
11-67		A112151	Tan	Drier Vent Caulk	None Detected
11-68		A112152	Tan	Drier Vent Caulk	None Detected
11-69		A112153	Tan	Drier Vent Caulk	None Detected
11-70		A112154	White,Gray	Transite Siding	Chrysotile 15%
11-71		A112155	White,Gray	Transite Siding	Chrysotile 15%
11-72		A112156	White,Gray	Transite Siding	Chrysotile 15%
11-73		A112157	Black	Tarpaper	None Detected
11-74		A112158	Black	Tarpaper	None Detected
11-75		A112159	Black	Tarpaper	Chrysotile <1%
11-76		A112160	Gray	Exterior Mortar	None Detected
11-77		A112161	Gray	Exterior Mortar	None Detected
11-78		A112162	Gray	Exterior Mortar	None Detected
11-79		A112163	Red	Exterior Brick	None Detected
11-80		A112164	Red	Exterior Brick	None Detected
11-81		A112165	Red	Exterior Brick	None Detected



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>11-01</b> A112085	Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	<1%	Fiberglass	100%	Vinyl	None Detected
<b>11-02</b> A112086	Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	<1%	Fiberglass	100%	Vinyl	None Detected
<b>11-03</b> A112087	Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	<1%	Fiberglass	100%	Vinyl	None Detected
<b>11-04</b> A112088	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-05</b> A112089	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-06</b> A112090	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-07</b> A112091	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100%	Vinyl	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>11-08</b> A112092	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	<1%	Synthetic Fiber 100%	Vinyl	None Detected
<b>11-09</b> A112093	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	<1%	Synthetic Fiber 100%	Vinyl	None Detected
<b>11-10</b> A112094	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose 100%	Mastic	None Detected
<b>11-11</b> A112095	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose 100%	Mastic	None Detected
<b>11-12</b> A112096	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose 100%	Mastic	None Detected
<b>11-13</b> A112097	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Synthetic Fiber 100%	Vinyl	None Detected
<b>11-14</b> A112098	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Synthetic Fiber 100%	Vinyl	None Detected



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Chicago, IL 60607

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**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>11-15</b> A112099	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100%	Vinyl	None Detected
<b>11-16</b> A112100	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-17</b> A112101	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-18</b> Layer 1 A112102	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
Layer 2 A112102	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic	<b>5% Chrysotile</b>
Layer 3 A112102	Leveling Compound	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	65% 35%	Silicates Binder	None Detected
<b>11-19</b> A112103	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound			100%	Vinyl	None Detected



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# ASBESTOS BULK ANALYSIS

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600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>11-20</b> A112104	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>11-21</b> A112105	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>11-22</b> A112106	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose 100% Mastic	None Detected
<b>11-23</b> A112107	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose 100% Mastic	None Detected
<b>11-24</b> A112108	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose 100% Mastic	None Detected
<b>11-25</b> Layer 1 A112109	Mastic	Homogeneous Clear, Yellow Non-fibrous Tightly Bound	<1%	Cellulose 100% Mastic	None Detected
Layer 2 A112109	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	93%	Vinyl	<b>7% Chrysotile</b>



**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>11-26</b> Layer 1 A112110	Mastic	Homogeneous Clear, Yellow Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic None Detected
Layer 2 A112110	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound			93%	Vinyl <b>7% Chrysotile</b>
<b>11-27</b> Layer 1 A112111	Mastic	Homogeneous Clear, Yellow Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic None Detected
Layer 2 A112111	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound			93%	Vinyl <b>7% Chrysotile</b>
<b>11-28</b> A112112	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic <b>5% Chrysotile</b>
<b>11-29</b> A112113	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic <b>5% Chrysotile</b>
<b>11-30</b> A112114	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic <b>5% Chrysotile</b>

**Client:** Carnow, Conibear & Assoc., Ltd.  
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 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
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**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>11-31</b> A112115	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>11-32</b> A112116	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>11-33</b> A112117	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>11-34</b> A112118	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100% Mastic None Detected
<b>11-35</b> A112119	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100% Mastic None Detected
<b>11-36</b> A112120	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100% Mastic None Detected
<b>11-37</b> A112121	Joint Compound	Heterogeneous Tan, Off-white Non-fibrous Bound	33% 60% 5%	Calc Carb Binder Paint	<b>2% Chrysotile</b>

**Client:** Carnow, Conibear & Assoc., Ltd.  
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Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>11-38</b> A112122	Joint Compound	Heterogeneous Tan, Off-white Non-fibrous Bound			33% 60% 5%	Calc Carb Binder Paint	<b>2% Chrysotile</b>
<b>11-39</b> A112123	Joint Compound	Heterogeneous Tan, Off-white Non-fibrous Bound			33% 60% 5%	Calc Carb Binder Paint	<b>2% Chrysotile</b>
<b>11-40</b> A112124	Hard Elbow	Heterogeneous Tan, Off-white Fibrous Loosely Bound	10% 10%	Fiberglass Cellulose	50% 21% 5%	Binder Calc Carb Paint	<b>2% Chrysotile</b> <b>2% Amosite</b>
<b>11-41</b> A112125	Hard Elbow	Heterogeneous Tan, Off-white Fibrous Loosely Bound	10% 10%	Fiberglass Cellulose	50% 21% 5%	Binder Calc Carb Paint	<b>2% Chrysotile</b> <b>2% Amosite</b>
<b>11-42</b> A112126	Hard Elbow	Heterogeneous Tan, Off-white Fibrous Loosely Bound	5% 10%	Fiberglass Cellulose	45% 18% 5%	Binder Calc Carb Paint	<b>15% Chrysotile</b> <b>2% Amosite</b>
<b>11-43</b> A112127	Tar	Heterogeneous Black Fibrous Tightly Bound	2%	Cellulose	98%	Tar	None Detected
<b>11-44</b> A112128	Tar	Heterogeneous Black Fibrous Tightly Bound	2%	Cellulose	98%	Tar	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>11-45</b> A112129	Tar	Heterogeneous Black Fibrous Tightly Bound	2%	Cellulose	98%	Tar	None Detected
<b>11-46</b> A112130	Canvas Vibration Dampener	Heterogeneous Off-white Fibrous Bound	35% 25%	Cellulose Fiberglass	10% 5%	Binder Paint	<b>25% Chrysotile</b>
<b>11-47</b> A112131	Canvas Vibration Dampener	Heterogeneous Off-white Fibrous Bound	35% 25%	Cellulose Fiberglass	10% 5%	Binder Paint	<b>25% Chrysotile</b>
<b>11-48</b> A112132	Canvas Vibration Dampener	Heterogeneous Off-white Fibrous Bound	35% 25%	Cellulose Fiberglass	10% 5%	Binder Paint	<b>25% Chrysotile</b>
<b>11-49</b> A112133	Vinyl Vibration Dampener	Heterogeneous Black Fibrous Tightly Bound	50%	Synthetic Fiber	50%	Vinyl	None Detected
<b>11-50</b> A112134	Vinyl Vibration Dampener	Heterogeneous Black Fibrous Tightly Bound	50%	Synthetic Fiber	50%	Vinyl	None Detected
<b>11-51</b> A112135	Vinyl Vibration Dampener	Heterogeneous Black Fibrous Tightly Bound	50%	Synthetic Fiber	50%	Vinyl	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>11-52</b> A112136	Ceramic Mortar	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-53</b> A112137	Ceramic Mortar	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-54</b> A112138	Ceramic Mortar	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-55</b> A112139	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	95%	Binder 5% Silicates	None Detected
<b>11-56</b> A112140	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	95%	Binder 5% Silicates	None Detected
<b>11-57</b> A112141	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	95%	Binder 5% Silicates	None Detected
<b>11-58</b> A112142	Door Caulk	Heterogeneous White, Off-white Non-fibrous Tightly Bound			97%	Caulk 3% Paint	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>11-59</b> A112143	Door Caulk	Heterogeneous White,Off-white Non-fibrous Tightly Bound	97%	Caulk	None Detected
<b>11-60</b> A112144	Door Caulk	Heterogeneous White,Off-white Non-fibrous Tightly Bound	97%	Caulk	None Detected
<b>11-61</b> A112145	Window Caulk	Heterogeneous White,Beige Non-fibrous Bound	2% Talc	93% Caulk 5% Paint	<1% Chrysotile
<b>11-62</b> A112146	Window Caulk	Heterogeneous White,Beige Non-fibrous Bound	2% Talc	93% Caulk 5% Paint	<1% Chrysotile
<b>11-63</b> A112147	Window Caulk	Heterogeneous White,Beige Non-fibrous Bound	2% Talc	93% Caulk 5% Paint	<1% Chrysotile
<b>11-64</b> A112148	Eave Caulk	Heterogeneous White Non-fibrous Tightly Bound	98%	Caulk	None Detected
<b>11-65</b> A112149	Eave Caulk	Heterogeneous White Non-fibrous Tightly Bound	98%	Caulk	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>11-66</b> A112150	Eave Caulk	Heterogeneous White Non-fibrous Tightly Bound	98% 2%	Caulk Paint	None Detected
<b>11-67</b> A112151	Drier Vent Caulk	Heterogeneous Tan Non-fibrous Tightly Bound	100%	Caulk	None Detected
<b>11-68</b> A112152	Drier Vent Caulk	Heterogeneous Tan Non-fibrous Tightly Bound	100%	Caulk	None Detected
<b>11-69</b> A112153	Drier Vent Caulk	Heterogeneous Tan Non-fibrous Tightly Bound	100%	Caulk	None Detected
<b>11-70</b> A112154	Transite Siding	Heterogeneous White, Gray Fibrous Tightly Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>
<b>11-71</b> A112155	Transite Siding	Heterogeneous White, Gray Fibrous Tightly Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>
<b>11-72</b> A112156	Transite Siding	Heterogeneous White, Gray Fibrous Tightly Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>11-73</b> A112157	Tarpaper	Homogeneous Black Fibrous Tightly Bound	85%	Cellulose	15%	Tar	None Detected
<b>11-74</b> A112158	Tarpaper	Homogeneous Black Fibrous Tightly Bound	85%	Cellulose	15%	Tar	None Detected
<b>11-75</b> A112159	Tarpaper	Homogeneous Black Fibrous Tightly Bound	85%	Cellulose	15%	Tar	<1% Chrysotile
<b>11-76</b> A112160	Exterior Mortar	Homogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-77</b> A112161	Exterior Mortar	Homogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-78</b> A112162	Exterior Mortar	Homogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-79</b> A112163	Exterior Brick	Homogeneous Red Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected





CEI

AMENDED

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>11-80</b> A112164	Exterior Brick	Homogeneous	85%	Silicates	None Detected
		Red	15%	Binder	
		Non-fibrous			
		Tightly Bound			
<b>11-81</b> A112165	Exterior Brick	Homogeneous	85%	Silicates	None Detected
		Red	15%	Binder	
		Non-fibrous			
		Tightly Bound			

---

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*


This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST:

  
McLane Brown

APPROVED BY:

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



AMENDED due to Client Wishes to Change Specifications for Analysis - Separate Compositing Layers



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:	(81)
CEI Lab Code:	A707170
CEI Lab I.D. Range:	A112085-A112165

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Ken Karuhn
Company:	Carnow Conibear & Associates Ltd	Email / Tel:	
Address:	600W. Van Buren Ste. 500 Chicago, IL. 60607	Project Name:	Building 11
Email:	KKaruhn@CCALtd.com	Project ID#:	E 161190057
Tel:		PO #:	
Fax:		STATE SAMPLES COLLECTED IN:	IL

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>Ken Karuhn</i>	6-1-20	JB	6/5/ 9:20

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207170

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 11
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-01	Wood Floor Sheeting 1114, 2 <sup>nd</sup> Fl	L-1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-02	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-03	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-04	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-05	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-06	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-07	Blue Floor Sheeting, 1114 2 <sup>nd</sup> Fl	L-2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-08	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-09	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-10	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-11	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-12	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-13	PT Beige 1114, Furnace Rm	L-3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-14	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-15	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-16	Mastic Assoc.	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-17	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-18	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-19	PT Beige 1114 Furnace Rm	L-4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-20	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-21	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-22	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-23	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-24	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-25	PT Brown 2 <sup>nd</sup> Fl	L-5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-26	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-27	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207176

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 11
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-28	Asstic Assoc 2nd Fl	L-5	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-29	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-30	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-31	Stair Tread		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-34	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-37	Drywall / Joint		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-40	Hard Elbow		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-43	Black Tar on Fiberglass Insul		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-46	Canvas Vibration Damper		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-49	Black Vinyl Vibratin Damper		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-52	Ceramic Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207176

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 11
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
11-55	Sink Under Coating 1114		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-56	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-57	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-58	Door Caulk 1114		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-59	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-60	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-61	Window Caulk 1114		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-62	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-63	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-64	Eave Caulk 1114		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-65	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-66	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-67	Drier Vent Caulk 1114		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-68	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-69	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-70	Transite Siding		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-71	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-72	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-73	Tar Paper Under Transite Siding		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-74	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-75	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-76	Exterior Mortar		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-77	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-78	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-79	Exterior Brick		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-80	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
11-81	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

Kassidy Harris

MC

**From:** Ken Karuhn <kkaruhn@caltcd.com>  
**Sent:** Wednesday, July 8, 2020 4:42 PM  
**To:** #US73\_Asbestos  
**Cc:** Derek Lantry  
**Subject:** Joint compound analysis

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Please separate the drywall joint compound from the drywall and analyze the joint compound layer only (1 day TAT) for the following samples:

CCA Project Number: E161190057

A207168 - Sample 3-30 (building 3)

A207171 – Samples 6-43 and 6-44 (building 6)

A207176 – Samples 11-37, 11-38, and 11-39 (building 11)

A207179 – Samples 14-65, 14-66, and 14-67 (building 14)

Thanks,  
Ken

**CARNOW  
CONIBEAR**



**Kenneth Karuhn**  
Environmental Hygienist

600 West Van Buren Street, Suite 500  
Chicago, Illinois 60607

t: 312.762.2976 c: 312.656.6057

e: kkaruhn@caltcd.com w: caltcd.com

Notify us [here](#) to report this email as spam.

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 11, E161190057  
**CEI LAB CODE:** A207176

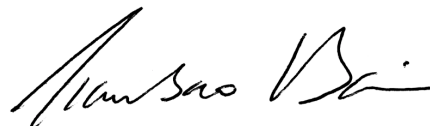
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director





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# **ASBESTOS ANALYTICAL REPORT**

## **By: Polarized Light Microscopy**

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 11, E161190057

LAB CODE: A207176

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 81

# SAMPLES >1% ASBESTOS: 16

**PROJECT:** Building 11, E161190057

**LAB CODE:** A207176

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
11-01		A112085	Brown	Floor Sheeting	None Detected
11-02		A112086	Brown	Floor Sheeting	None Detected
11-03		A112087	Brown	Floor Sheeting	None Detected
11-04		A112088	Clear	Adhesive	None Detected
11-05		A112089	Clear	Adhesive	None Detected
11-06		A112090	Clear	Adhesive	None Detected
11-07		A112091	Blue	Floor Sheeting	None Detected
11-08		A112092	Blue	Floor Sheeting	None Detected
11-09		A112093	Blue	Floor Sheeting	None Detected
11-10		A112094	Clear	Adhesive	None Detected
11-11		A112095	Clear	Adhesive	None Detected
11-12		A112096	Clear	Adhesive	None Detected
11-13		A112097	Beige	Floor Tile	None Detected
11-14		A112098	Beige	Floor Tile	None Detected
11-15		A112099	Beige	Floor Tile	None Detected
11-16		A112100	Tan	Mastic	None Detected
11-17		A112101	Tan	Mastic	None Detected
11-18	Layer 1	A112102	Tan	Mastic	None Detected
	Layer 2	A112102	Black	Mastic	<b>Chrysotile 5%</b>
	Layer 3	A112102	Gray	Leveling Compound	None Detected
11-19		A112103	Beige	Floor Tile	None Detected
11-20		A112104	Beige	Floor Tile	None Detected
11-21		A112105	Beige	Floor Tile	None Detected
11-22		A112106	Tan	Mastic	None Detected
11-23		A112107	Tan	Mastic	None Detected
11-24		A112108	Tan	Mastic	None Detected
11-25	Layer 1	A112109	Clear, Yellow	Mastic	None Detected
	Layer 2	A112109	Brown	Floor Tile	<b>Chrysotile 7%</b>
11-26	Layer 1	A112110	Clear, Yellow	Mastic	None Detected
	Layer 2	A112110	Brown	Floor Tile	<b>Chrysotile 7%</b>
11-27	Layer 1	A112111	Clear, Yellow	Mastic	None Detected

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LAB CODE: A207176

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A112111	Brown	Floor Tile	Chrysotile 7%
11-28		A112112	Black	Mastic	Chrysotile 5%
11-29		A112113	Black	Mastic	Chrysotile 5%
11-30		A112114	Black	Mastic	Chrysotile 5%
11-31		A112115	Brown	Stair Tread	None Detected
11-32		A112116	Brown	Stair Tread	None Detected
11-33		A112117	Brown	Stair Tread	None Detected
11-34		A112118	Tan	Mastic	None Detected
11-35		A112119	Tan	Mastic	None Detected
11-36		A112120	Tan	Mastic	None Detected
11-37		A112121	Tan,Off-white	Drywall/Joint Compound	Chrysotile <1%
11-38		A112122	Tan,Off-white	Drywall/Joint Compound	Chrysotile <1%
11-39		A112123	Tan,Off-white	Drywall/Joint Compound	Chrysotile <1%
11-40		A112124	Tan,Off-white	Hard Elbow	Chrysotile 2% Amosite 2%
11-41		A112125	Tan,Off-white	Hard Elbow	Chrysotile 2% Amosite 2%
11-42		A112126	Tan,Off-white	Hard Elbow	Chrysotile 15% Amosite 2%
11-43		A112127	Black	Tar	None Detected
11-44		A112128	Black	Tar	None Detected
11-45		A112129	Black	Tar	None Detected
11-46		A112130	Off-white	Canvas Vibration Dampener	Chrysotile 25%
11-47		A112131	Off-white	Canvas Vibration Dampener	Chrysotile 25%
11-48		A112132	Off-white	Canvas Vibration Dampener	Chrysotile 25%
11-49		A112133	Black	Vinyl Vibration Dampener	None Detected
11-50		A112134	Black	Vinyl Vibration Dampener	None Detected
11-51		A112135	Black	Vinyl Vibration Dampener	None Detected
11-52		A112136	Tan	Ceramic Mortar	None Detected
11-53		A112137	Tan	Ceramic Mortar	None Detected
11-54		A112138	Tan	Ceramic Mortar	None Detected
11-55		A112139	Gray	Sink Undercoating	None Detected

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11-56		A112140	Gray	Sink Undercoating	None Detected
11-57		A112141	Gray	Sink Undercoating	None Detected
11-58		A112142	White,Off-white	Door Caulk	None Detected
11-59		A112143	White,Off-white	Door Caulk	None Detected
11-60		A112144	White,Off-white	Door Caulk	None Detected
11-61		A112145	White,Beige	Window Caulk	Chrysotile <1%
11-62		A112146	White,Beige	Window Caulk	Chrysotile <1%
11-63		A112147	White,Beige	Window Caulk	Chrysotile <1%
11-64		A112148	White	Eave Caulk	None Detected
11-65		A112149	White	Eave Caulk	None Detected
11-66		A112150	White	Eave Caulk	None Detected
11-67		A112151	Tan	Drier Vent Caulk	None Detected
11-68		A112152	Tan	Drier Vent Caulk	None Detected
11-69		A112153	Tan	Drier Vent Caulk	None Detected
11-70		A112154	White,Gray	Transite Siding	Chrysotile 15%
11-71		A112155	White,Gray	Transite Siding	Chrysotile 15%
11-72		A112156	White,Gray	Transite Siding	Chrysotile 15%
11-73		A112157	Black	Tarpaper	None Detected
11-74		A112158	Black	Tarpaper	None Detected
11-75		A112159	Black	Tarpaper	Chrysotile <1%
11-76		A112160	Gray	Exterior Mortar	None Detected
11-77		A112161	Gray	Exterior Mortar	None Detected
11-78		A112162	Gray	Exterior Mortar	None Detected
11-79		A112163	Red	Exterior Brick	None Detected
11-80		A112164	Red	Exterior Brick	None Detected
11-81		A112165	Red	Exterior Brick	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>11-01</b> A112085	Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	<1%	Fiberglass	100%	Vinyl	None Detected
<b>11-02</b> A112086	Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	<1%	Fiberglass	100%	Vinyl	None Detected
<b>11-03</b> A112087	Floor Sheeting	Homogeneous Brown Non-fibrous Tightly Bound	<1%	Fiberglass	100%	Vinyl	None Detected
<b>11-04</b> A112088	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-05</b> A112089	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-06</b> A112090	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-07</b> A112091	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100%	Vinyl	None Detected

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			Fibrous	Non-Fibrous		
<b>11-08</b> A112092	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100% Vinyl	None Detected
<b>11-09</b> A112093	Floor Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100% Vinyl	None Detected
<b>11-10</b> A112094	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100% Mastic	None Detected
<b>11-11</b> A112095	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100% Mastic	None Detected
<b>11-12</b> A112096	Adhesive	Homogeneous Clear Non-fibrous Tightly Bound	<1%	Cellulose	100% Mastic	None Detected
<b>11-13</b> A112097	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100% Vinyl	None Detected
<b>11-14</b> A112098	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100% Vinyl	None Detected

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			Fibrous	Non-Fibrous			
<b>11-15</b> A112099	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Synthetic Fiber	100%	Vinyl	None Detected
<b>11-16</b> A112100	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-17</b> A112101	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-18</b> Layer 1 A112102	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
Layer 2 A112102	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic	<b>5% Chrysotile</b>
Layer 3 A112102	Leveling Compound	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	65% 35%	Silicates Binder	None Detected
<b>11-19</b> A112103	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound			100%	Vinyl	None Detected

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>11-20</b> A112104	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl		None Detected	
<b>11-21</b> A112105	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl		None Detected	
<b>11-22</b> A112106	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-23</b> A112107	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-24</b> A112108	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-25</b> Layer 1 A112109	Mastic	Homogeneous Clear, Yellow Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
Layer 2 A112109	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	93%	Vinyl		<b>7% Chrysotile</b>	





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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>11-26</b> Layer 1 A112110	Mastic	Homogeneous Clear, Yellow Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic None Detected
Layer 2 A112110	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound			93%	Vinyl <b>7% Chrysotile</b>
<b>11-27</b> Layer 1 A112111	Mastic	Homogeneous Clear, Yellow Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic None Detected
Layer 2 A112111	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound			93%	Vinyl <b>7% Chrysotile</b>
<b>11-28</b> A112112	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic <b>5% Chrysotile</b>
<b>11-29</b> A112113	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic <b>5% Chrysotile</b>
<b>11-30</b> A112114	Mastic	Homogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Mastic <b>5% Chrysotile</b>

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>11-31</b> A112115	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>11-32</b> A112116	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>11-33</b> A112117	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>11-34</b> A112118	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-35</b> A112119	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-36</b> A112120	Mastic	Homogeneous Tan Non-fibrous Tightly Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>11-37</b> A112121	Drywall/Joint Compound	Heterogeneous Tan, Off-white Fibrous Bound	15%	Cellulose	80%	Gypsum 5% Calc Carb <1% Paint	<1% Chrysotile

Lab Notes: 2% Chrysotile found in joint compound only; <1% overall

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>11-38</b> A112122	Drywall/Joint Compound	Heterogeneous Tan, Off-white Fibrous Bound	15%	Cellulose	80%	Gypsum 5% Calc Carb Paint	<1% Chrysotile
Lab Notes: 2% Chrysotile found in joint compound only; <1% overall							
<b>11-39</b> A112123	Drywall/Joint Compound	Heterogeneous Tan, Off-white Fibrous Bound	15%	Cellulose	80%	Gypsum 5% Calc Carb Paint	<1% Chrysotile
Lab Notes: 2% Chrysotile found in joint compound only; <1% overall							
<b>11-40</b> A112124	Hard Elbow	Heterogeneous Tan, Off-white Fibrous Loosely Bound	10%	Fiberglass	50%	Binder 21% Calc Carb Paint	2% Chrysotile 2% Amosite
<b>11-41</b> A112125	Hard Elbow	Heterogeneous Tan, Off-white Fibrous Loosely Bound	10%	Fiberglass	50%	Binder 21% Calc Carb Paint	2% Chrysotile 2% Amosite
<b>11-42</b> A112126	Hard Elbow	Heterogeneous Tan, Off-white Fibrous Loosely Bound	5%	Fiberglass	45%	Binder 18% Calc Carb Paint	15% Chrysotile 2% Amosite
<b>11-43</b> A112127	Tar	Heterogeneous Black Fibrous Tightly Bound	2%	Cellulose	98%	Tar	None Detected
<b>11-44</b> A112128	Tar	Heterogeneous Black Fibrous Tightly Bound	2%	Cellulose	98%	Tar	None Detected

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			Fibrous		Non-Fibrous		
<b>11-45</b> A112129	Tar	Heterogeneous Black Fibrous Tightly Bound	2%	Cellulose	98%	Tar	None Detected
<b>11-46</b> A112130	Canvas Vibration Dampener	Heterogeneous Off-white Fibrous Bound	35% 25%	Cellulose Fiberglass	10% 5%	Binder Paint	<b>25% Chrysotile</b>
<b>11-47</b> A112131	Canvas Vibration Dampener	Heterogeneous Off-white Fibrous Bound	35% 25%	Cellulose Fiberglass	10% 5%	Binder Paint	<b>25% Chrysotile</b>
<b>11-48</b> A112132	Canvas Vibration Dampener	Heterogeneous Off-white Fibrous Bound	35% 25%	Cellulose Fiberglass	10% 5%	Binder Paint	<b>25% Chrysotile</b>
<b>11-49</b> A112133	Vinyl Vibration Dampener	Heterogeneous Black Fibrous Tightly Bound	50%	Synthetic Fiber	50%	Vinyl	None Detected
<b>11-50</b> A112134	Vinyl Vibration Dampener	Heterogeneous Black Fibrous Tightly Bound	50%	Synthetic Fiber	50%	Vinyl	None Detected
<b>11-51</b> A112135	Vinyl Vibration Dampener	Heterogeneous Black Fibrous Tightly Bound	50%	Synthetic Fiber	50%	Vinyl	None Detected

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			Fibrous	Non-Fibrous			
<b>11-52</b> A112136	Ceramic Mortar	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-53</b> A112137	Ceramic Mortar	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-54</b> A112138	Ceramic Mortar	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-55</b> A112139	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	95%	Binder 5% Silicates	None Detected
<b>11-56</b> A112140	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	95%	Binder 5% Silicates	None Detected
<b>11-57</b> A112141	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	95%	Binder 5% Silicates	None Detected
<b>11-58</b> A112142	Door Caulk	Heterogeneous White, Off-white Non-fibrous Tightly Bound			97%	Caulk 3% Paint	None Detected

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			Fibrous		Non-Fibrous		
<b>11-59</b> A112143	Door Caulk	Heterogeneous White,Off-white Non-fibrous Tightly Bound	97%	Caulk	3%	Paint	None Detected
<b>11-60</b> A112144	Door Caulk	Heterogeneous White,Off-white Non-fibrous Tightly Bound	97%	Caulk	3%	Paint	None Detected
<b>11-61</b> A112145	Window Caulk	Heterogeneous White,Beige Non-fibrous Bound	2%	Talc	93%	Caulk	<1% Chrysotile
<b>11-62</b> A112146	Window Caulk	Heterogeneous White,Beige Non-fibrous Bound	2%	Talc	93%	Caulk	<1% Chrysotile
<b>11-63</b> A112147	Window Caulk	Heterogeneous White,Beige Non-fibrous Bound	2%	Talc	93%	Caulk	<1% Chrysotile
<b>11-64</b> A112148	Eave Caulk	Heterogeneous White Non-fibrous Tightly Bound	98%	Caulk	2%	Paint	None Detected
<b>11-65</b> A112149	Eave Caulk	Heterogeneous White Non-fibrous Tightly Bound	98%	Caulk	2%	Paint	None Detected

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>11-66</b> A112150	Eave Caulk	Heterogeneous White Non-fibrous Tightly Bound	98% 2%	Caulk Paint	None Detected
<b>11-67</b> A112151	Drier Vent Caulk	Heterogeneous Tan Non-fibrous Tightly Bound	100%	Caulk	None Detected
<b>11-68</b> A112152	Drier Vent Caulk	Heterogeneous Tan Non-fibrous Tightly Bound	100%	Caulk	None Detected
<b>11-69</b> A112153	Drier Vent Caulk	Heterogeneous Tan Non-fibrous Tightly Bound	100%	Caulk	None Detected
<b>11-70</b> A112154	Transite Siding	Heterogeneous White, Gray Fibrous Tightly Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>
<b>11-71</b> A112155	Transite Siding	Heterogeneous White, Gray Fibrous Tightly Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>
<b>11-72</b> A112156	Transite Siding	Heterogeneous White, Gray Fibrous Tightly Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>11-73</b> A112157	Tarpaper	Homogeneous Black Fibrous Tightly Bound	85%	Cellulose	15%	Tar	None Detected
<b>11-74</b> A112158	Tarpaper	Homogeneous Black Fibrous Tightly Bound	85%	Cellulose	15%	Tar	None Detected
<b>11-75</b> A112159	Tarpaper	Homogeneous Black Fibrous Tightly Bound	85%	Cellulose	15%	Tar	<1% Chrysotile
<b>11-76</b> A112160	Exterior Mortar	Homogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-77</b> A112161	Exterior Mortar	Homogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-78</b> A112162	Exterior Mortar	Homogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	65%	Silicates 35% Binder	None Detected
<b>11-79</b> A112163	Exterior Brick	Homogeneous Red Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207176  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-08-20  
**Date Reported:** 06-10-20

**Project:** Building 11, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS		ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous	%
<b>11-80</b> A112164	Exterior Brick	Homogeneous Red Non-fibrous Tightly Bound	85%	Silicates Binder	None Detected
<b>11-81</b> A112165	Exterior Brick	Homogeneous Red Non-fibrous Tightly Bound	85%	Silicates Binder	None Detected

---

**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST:



McLane Brown

APPROVED BY:



Tianbao Bai, Ph.D., CIH  
Laboratory Director



A207170

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 11
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-01	Wood Floor Sheeting 1114, 2 <sup>nd</sup> Fl	L-1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-02	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-03	↓ Living Rm	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-04	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-05	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-06	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-07	Blue Floor Sheeting, 1114 2 <sup>nd</sup> Fl	L-2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-08	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-09	↓ Living Rm	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-10	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-11	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-12	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-13	FT Beige 1114, Furnace Rm	L-3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-14	↓ 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-15	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-16	Mastic Assoc.	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-17	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-18	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-19	FT Beige 1114 Furnace Rm	L-4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-20	↓ 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-21	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-22	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-23	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-24	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-25	FT Brown 2 <sup>nd</sup> Fl	L-5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-26	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-27	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A2087176

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 11
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-28	Asstic Assoc 2nd Fl	L-5	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-29	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-30	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-31	Stair Tread		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-33	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-34	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-37	Drywall / Joint		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-40	Hard Elbow		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-43	Black Tar on Fiberglass Insul		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-46	Canvas Vibration Dampner		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-49	Black Vinyl Vibratin Dampner		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-52	Ceramic Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11-53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-54	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207176

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 11
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-55	Sink Under Coating 1114		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-56	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-57	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-58	Door Caulk 1114		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-59	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-60	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-61	Window Caulk 1114		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-62	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-63	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-64	Eave Caulk 1114		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-65	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-66	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-67	Drier Vent Caulk 1114		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-68	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-69	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-70	Transite Siding		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-71	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-72	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-73	Tar Paper Under Transite Siding		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-74	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-75	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-76	Exterior Mortar		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-77	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-78	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-79	Exterior Brick		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-80	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11-81	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 12, E161190057  
**CEI LAB CODE:** A207177

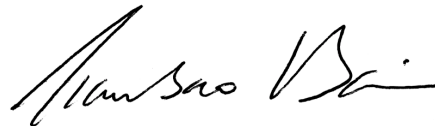
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

---

CLIENT PROJECT: Building 12, E161190057

LAB CODE: A207177

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 87

# SAMPLES >1% ASBESTOS: 25



**PROJECT:** Building 12, E161190057

**LAB CODE:** A207177

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
12-01		A112166	Brown	Wood Floor Sheeting	None Detected
12-02		A112167	Brown	Wood Floor Sheeting	None Detected
12-03		A112168	Brown	Wood Floor Sheeting	None Detected
12-04		A112169	Clear	Mastic	None Detected
12-05		A112170	Clear	Mastic	None Detected
12-06		A112171	Clear	Mastic	None Detected
12-07		A112172	Blue	Sheeting	None Detected
12-08		A112173	Blue	Sheeting	None Detected
12-09		A112174	Blue	Sheeting	None Detected
12-10		A112175	Yellow, Clear	Mastic	None Detected
12-11		A112176	Yellow, Clear	Mastic	None Detected
12-12		A112177	Yellow, Clear	Mastic	None Detected
12-13		A112178	Beige	Floor Tile	None Detected
12-14		A112179	Beige	Floor Tile	None Detected
12-15		A112180	Beige	Floor Tile	None Detected
12-16		A112181	Yellow	Mastic	None Detected
12-17		A112182	Yellow	Mastic	None Detected
12-18		A112183	Yellow	Mastic	None Detected
12-19	Layer 1	A112184	Tan	Mastic	None Detected
	Layer 2	A112184	Beige	Floor Tile	None Detected
12-20	Layer 1	A112185	Tan	Mastic	None Detected
	Layer 2	A112185	Beige	Floor Tile	None Detected
12-21	Layer 1	A112186	Tan	Mastic	None Detected
	Layer 2	A112186	Beige	Floor Tile	None Detected
12-22	Layer 1	A112187	Yellow	Mastic	None Detected
	Layer 2	A112187	Brown	Mastic	<b>Chrysotile 3%</b>
12-23		A112188	Yellow	Mastic	None Detected
12-24		A112189	Yellow	Mastic	None Detected
12-25	Layer 1	A112190	Yellow	Mastic	None Detected
	Layer 2	A112190	Brown	Floor Tile	<b>Chrysotile 7%</b>
12-26	Layer 1	A112191	Yellow	Mastic	None Detected



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 12, E161190057

LAB CODE: A207177

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A112191	Brown	Floor Tile	<b>Chrysotile 7%</b>
12-27	Layer 1	A112192	Yellow	Mastic	None Detected
	Layer 2	A112192	Brown	Floor Tile	<b>Chrysotile 7%</b>
12-28		A112193	Black	Mastic	<b>Chrysotile 5%</b>
12-29		A112194	Black	Mastic	<b>Chrysotile 5%</b>
12-30		A112195	Black	Mastic	<b>Chrysotile 5%</b>
12-31	Layer 1	A112196	Yellow	Mastic	None Detected
	Layer 2	A112196	Beige	Floor Tile	None Detected
12-32	Layer 1	A112197	Yellow	Mastic	None Detected
	Layer 2	A112197	Beige	Floor Tile	None Detected
12-33	Layer 1	A112198	Yellow	Mastic	None Detected
	Layer 2	A112198	Beige	Floor Tile	None Detected
12-34		A112199	Yellow	Mastic	None Detected
12-35		A112200	Yellow	Mastic	None Detected
12-36		A112201	Yellow	Mastic	None Detected
12-37		A112202	Brown	Floor Tile	<b>Chrysotile 7%</b>
12-38		A112203	Brown	Floor Tile	<b>Chrysotile 7%</b>
12-39		A112204	Brown	Floor Tile	<b>Chrysotile 7%</b>
12-40	Layer 1	A112205	Black	Mastic	<b>Chrysotile 5%</b>
	Layer 2	A112205	Black	Felt Underlayment	None Detected
12-41		A112206	Black	Mastic	<b>Chrysotile 5%</b>
12-42		A112207	Black	Mastic	<b>Chrysotile 5%</b>
12-43		A112208	Brown	Stair Tread	None Detected
12-44		A112209	Brown	Stair Tread	None Detected
12-45		A112210	Brown	Stair Tread	None Detected
12-46		A112211	Yellow	Mastic	None Detected
12-47		A112212	Yellow	Mastic	None Detected
12-48		A112213	Yellow	Mastic	None Detected
12-49	Layer 1	A112214	White	Drywall	None Detected
	Layer 2	A112214	Yellow	Joint Compound	None Detected
12-50	Layer 1	A112215	White	Drywall	None Detected

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 12, E161190057

LAB CODE: A207177

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A112215	Yellow	Joint Compound	None Detected
12-51	Layer 1	A112216	White	Drywall	None Detected
	Layer 2	A112216	Yellow	Joint Compound	None Detected
12-52		A112217	White	Hard Elbow	Chrysotile 63% Amosite 2%
12-53		A112218	White	Hard Elbow	Chrysotile 63% Amosite 2%
12-54		A112219	White	Hard Elbow	Chrysotile 63% Amosite 2%
12-55		A112220	White	Duct Paper Wrap	Chrysotile 55%
12-56		A112221	White	Duct Paper Wrap	Chrysotile 55%
12-57		A112222	White	Duct Paper Wrap	Chrysotile 55%
12-58		A112223	Gray	Sink Undercoating	None Detected
12-59		A112224	Gray	Sink Undercoating	None Detected
12-60		A112225	Gray	Sink Undercoating	None Detected
12-61		A112226	Tan	Attic Insulation	None Detected
12-62		A112227	Tan	Attic Insulation	None Detected
12-63		A112228	Tan	Attic Insulation	None Detected
12-64		A112229	Yellow	Ceramic Mortar	None Detected
12-65		A112230	Yellow	Ceramic Mortar	None Detected
12-66		A112231	Yellow	Ceramic Mortar	None Detected
12-67	Layer 1	A112232	Black	Door Caulk	None Detected
	Layer 2	A112232	Tan	Glazing	Chrysotile 5%
12-68	Layer 1	A112233	Black	Door Caulk	None Detected
	Layer 2	A112233	Tan	Glazing	Chrysotile 5%
12-69	Layer 1	A112234	Black	Door Caulk	None Detected
	Layer 2	A112234	Tan	Glazing	Chrysotile 5%
12-70		A112235	White	Window Caulking	Chrysotile <1%
12-71		A112236	White	Window Caulking	Chrysotile <1%
12-72		A112237	White	Window Caulking	Chrysotile <1%
12-73		A112238	Tan	Vent Caulking	None Detected
12-74		A112239	Tan	Vent Caulking	None Detected

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 12, E161190057

**LAB CODE:** A207177

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
12-75		A112240	Tan	Vent Caulking	None Detected
12-76		A112241	White	Eave Caulk	None Detected
12-77		A112242	White	Eave Caulk	None Detected
12-78		A112243	White	Eave Caulk	None Detected
12-79		A112244	Gray	Brick Mortar	None Detected
12-80		A112245	Gray	Brick Mortar	None Detected
12-81		A112246	Gray	Brick Mortar	None Detected
12-82		A112247	Red	Brick	None Detected
12-83		A112248	Red	Brick	None Detected
12-84		A112249	Red	Brick	None Detected
12-85		A112250	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
12-86		A112251	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
12-87		A112252	Gray,White	Transite Siding	<b>Chrysotile 15%</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207177  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 12, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>12-01</b> A112166	Wood Floor Sheeting	Homogeneous Brown Fibrous Tightly Bound	5%	Fiberglass	95% Vinyl	None Detected
<b>12-02</b> A112167	Wood Floor Sheeting	Homogeneous Brown Fibrous Tightly Bound	5%	Fiberglass	95% Vinyl	None Detected
<b>12-03</b> A112168	Wood Floor Sheeting	Homogeneous Brown Fibrous Tightly Bound	5%	Fiberglass	95% Vinyl	None Detected
<b>12-04</b> A112169	Mastic	Homogeneous Clear Non-fibrous Bound			100% Mastic	None Detected
<b>12-05</b> A112170	Mastic	Homogeneous Clear Non-fibrous Bound			100% Mastic	None Detected
<b>12-06</b> A112171	Mastic	Homogeneous Clear Non-fibrous Bound			100% Mastic	None Detected
<b>12-07</b> A112172	Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	5%	Synthetic Fiber	95% Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207177  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 12, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>12-08</b> A112173	Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	5%	Synthetic Fiber 95%	Vinyl	None Detected
<b>12-09</b> A112174	Sheeting	Homogeneous Blue Non-fibrous Tightly Bound	5%	Synthetic Fiber 95%	Vinyl	None Detected
<b>12-10</b> A112175	Mastic	Homogeneous Yellow,Clear Non-fibrous Bound		100%	Mastic	None Detected
<b>12-11</b> A112176	Mastic	Homogeneous Yellow,Clear Non-fibrous Bound		100%	Mastic	None Detected
<b>12-12</b> A112177	Mastic	Homogeneous Yellow,Clear Non-fibrous Bound		100%	Mastic	None Detected
<b>12-13</b> A112178	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>12-14</b> A112179	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207177  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 12, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>12-15</b> A112180	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>12-16</b> A112181	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>12-17</b> A112182	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>12-18</b> A112183	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>12-19</b> Layer 1 A112184	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112184	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>12-20</b> Layer 1 A112185	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected



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			Fibrous	Non-Fibrous	
Layer 2 A112185	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>12-21</b> Layer 1 A112186	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112186	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>12-22</b> Layer 1 A112187	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112187	Mastic	Homogeneous Brown Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>
<b>12-23</b> A112188	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>12-24</b> A112189	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected



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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>12-25</b> Layer 1 A112190	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112190	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	93%	Vinyl	<b>7% Chrysotile</b>
<b>12-26</b> Layer 1 A112191	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112191	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	93%	Vinyl	<b>7% Chrysotile</b>
<b>12-27</b> Layer 1 A112192	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112192	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	93%	Vinyl	<b>7% Chrysotile</b>
<b>12-28</b> A112193	Mastic	Homogeneous Black Non-fibrous Bound	95%	Tar	<b>5% Chrysotile</b>



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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>12-29</b> A112194	Mastic	Homogeneous Black Non-fibrous Bound	95%	Tar	<b>5% Chrysotile</b>
<b>12-30</b> A112195	Mastic	Homogeneous Black Non-fibrous Bound	95%	Tar	<b>5% Chrysotile</b>
<b>12-31</b> Layer 1 A112196	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112196	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>12-32</b> Layer 1 A112197	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112197	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>12-33</b> Layer 1 A112198	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A112198	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>12-34</b> A112199	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>12-35</b> A112200	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>12-36</b> A112201	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>12-37</b> A112202	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	93%	Vinyl	<b>7% Chrysotile</b>
<b>12-38</b> A112203	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	93%	Vinyl	<b>7% Chrysotile</b>
<b>12-39</b> A112204	Floor Tile	Homogeneous Brown Fibrous Tightly Bound	93%	Vinyl	<b>7% Chrysotile</b>

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
<b>12-40</b> Layer 1 A112205	Mastic	Homogeneous Black Non-fibrous Bound	95%	Tar		<b>5% Chrysotile</b>	
Layer 2 A112205	Felt Underlayment	Homogeneous Black Fibrous Loosely Bound	70%	Cellulose	30%	Tar	None Detected
<b>12-41</b> A112206	Mastic	Homogeneous Black Non-fibrous Bound	95%	Tar		<b>5% Chrysotile</b>	
<b>12-42</b> A112207	Mastic	Homogeneous Black Non-fibrous Bound	95%	Tar		<b>5% Chrysotile</b>	
<b>12-43</b> A112208	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl		None Detected	
<b>12-44</b> A112209	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl		None Detected	
<b>12-45</b> A112210	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl		None Detected	

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous			Non-Fibrous	%
<b>12-46</b> A112211	Mastic	Homogeneous Yellow Non-fibrous Bound	100%			Mastic	None Detected
<b>12-47</b> A112212	Mastic	Homogeneous Yellow Non-fibrous Bound	100%			Mastic	None Detected
<b>12-48</b> A112213	Mastic	Homogeneous Yellow Non-fibrous Bound	100%			Mastic	None Detected
<b>12-49</b> Layer 1 A112214	Drywall	Heterogeneous White Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
Layer 2 A112214	Joint Compound	Heterogeneous Yellow Non-fibrous Bound			60%	Binder	None Detected
					35%	Calc Carb	
					5%	Paint	
<b>12-50</b> Layer 1 A112215	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	80%	Gypsum	None Detected
			5%	Fiberglass			
Layer 2 A112215	Joint Compound	Heterogeneous Yellow Non-fibrous Bound			60%	Binder	None Detected
					35%	Calc Carb	
					5%	Paint	

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>12-51</b> Layer 1 A112216	Drywall	Heterogeneous	15%	Cellulose	80%	Gypsum	None Detected
		White Fibrous Bound	5%	Fiberglass			
<b>12-52</b> Layer 2 A112216	Joint Compound	Heterogeneous			60%	Binder	None Detected
		Yellow Non-fibrous Bound			35%	Calc Carb	
<b>12-53</b> A112218	Hard Elbow	Homogeneous			35%	Binder	63% Chrysotile 2% Amosite
		White Fibrous Loose					
<b>12-54</b> A112219	Hard Elbow	Homogeneous			35%	Binder	63% Chrysotile 2% Amosite
		White Fibrous Loose					
<b>12-55</b> A112220	Duct Paper Wrap	Heterogeneous	20%	Cellulose	20%	Binder	55% Chrysotile
		White Fibrous Loosely Bound			5%	Paint	
<b>12-56</b> A112221	Duct Paper Wrap	Heterogeneous	20%	Cellulose	20%	Binder	55% Chrysotile
		White Fibrous Loosely Bound			5%	Paint	

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>12-57</b> A112222	Duct Paper Wrap	Heterogeneous White Fibrous Loosely Bound	20%	Cellulose	20%	Binder 5% Paint	<b>55% Chrysotile</b>
<b>12-58</b> A112223	Sink Undercoating	Homogeneous Gray Non-fibrous Bound			100%	Binder	None Detected
<b>12-59</b> A112224	Sink Undercoating	Homogeneous Gray Non-fibrous Bound			100%	Binder	None Detected
<b>12-60</b> A112225	Sink Undercoating	Homogeneous Gray Non-fibrous Bound			100%	Binder	None Detected
<b>12-61</b> A112226	Attic Insulation	Homogeneous Tan Fibrous Loose	100%	Cellulose	<1%	Binder	None Detected
<b>12-62</b> A112227	Attic Insulation	Homogeneous Tan Fibrous Loose	100%	Cellulose	<1%	Binder	None Detected
<b>12-63</b> A112228	Attic Insulation	Homogeneous Tan Fibrous Loose	100%	Cellulose	<1%	Binder	None Detected

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>12-64</b> A112229	Ceramic Mortar	Homogeneous	60%	Binder	None Detected
		Yellow	40%	Silicates	
		Non-fibrous			
		Bound			
<b>12-65</b> A112230	Ceramic Mortar	Homogeneous	60%	Binder	None Detected
		Yellow	40%	Silicates	
		Non-fibrous			
		Bound			
<b>12-66</b> A112231	Ceramic Mortar	Homogeneous	60%	Binder	None Detected
		Yellow	40%	Silicates	
		Non-fibrous			
		Bound			
<b>12-67</b> Layer 1 A112232	Door Caulk	Heterogeneous	95%	Caulk	None Detected
		Black	5%	Paint	
		Non-fibrous			
		Bound			
Layer 2 A112232	Glazing	Homogeneous	95%	Binder	<b>5% Chrysotile</b>
		Tan			
		Non-fibrous			
		Bound			
<b>12-68</b> Layer 1 A112233	Door Caulk	Heterogeneous	95%	Caulk	None Detected
		Black	5%	Paint	
		Non-fibrous			
		Bound			
Layer 2 A112233	Glazing	Homogeneous	95%	Binder	<b>5% Chrysotile</b>
		Tan			
		Non-fibrous			
		Bound			



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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>12-69</b> Layer 1 A112234	Door Caulk	Heterogeneous	95%	Caulk	None Detected
		Black Non-fibrous Bound	5%	Paint	
Layer 2 A112234	Glazing	Homogeneous	95%	Binder	<b>5% Chrysotile</b>
		Tan Non-fibrous Bound			
<b>12-70</b> A112235	Window Caulking	Heterogeneous	95%	Caulk	<1% Chrysotile
		White Non-fibrous Bound	5%	Paint	
<b>12-71</b> A112236	Window Caulking	Heterogeneous	95%	Caulk	<1% Chrysotile
		White Non-fibrous Bound	5%	Paint	
<b>12-72</b> A112237	Window Caulking	Heterogeneous	95%	Caulk	<1% Chrysotile
		White Non-fibrous Bound	5%	Paint	
<b>12-73</b> A112238	Vent Caulking	Heterogeneous	95%	Caulk	None Detected
		Tan Non-fibrous Bound	5%	Paint	
<b>12-74</b> A112239	Vent Caulking	Heterogeneous	95%	Caulk	None Detected
		Tan Non-fibrous Bound	5%	Paint	

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			Fibrous	Non-Fibrous	
<b>12-75</b> A112240	Vent Caulking	Heterogeneous Tan Non-fibrous Bound	95% 5%	Caulk Paint	None Detected
<b>12-76</b> A112241	Eave Caulk	Heterogeneous White Non-fibrous Bound	95% 5%	Caulk Paint	None Detected
<b>12-77</b> A112242	Eave Caulk	Heterogeneous White Non-fibrous Bound	95% 5%	Caulk Paint	None Detected
<b>12-78</b> A112243	Eave Caulk	Heterogeneous White Non-fibrous Bound	95% 5%	Caulk Paint	None Detected
<b>12-79</b> A112244	Brick Mortar	Homogeneous Gray Non-fibrous Bound	60% 40%	Silicates Binder	None Detected
<b>12-80</b> A112245	Brick Mortar	Homogeneous Gray Non-fibrous Bound	60% 40%	Silicates Binder	None Detected
<b>12-81</b> A112246	Brick Mortar	Homogeneous Gray Non-fibrous Bound	60% 40%	Silicates Binder	None Detected

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			Fibrous	Non-Fibrous	
<b>12-82</b> A112247	Brick	Homogeneous Red Non-fibrous Bound	60%	Silicates Binder	None Detected
<b>12-83</b> A112248	Brick	Homogeneous Red Non-fibrous Bound	60%	Silicates Binder	None Detected
<b>12-84</b> A112249	Brick	Homogeneous Red Non-fibrous Bound	60%	Silicates Binder	None Detected
<b>12-85</b> A112250	Transite Siding	Heterogeneous Gray,White Fibrous Bound	50%	Binder Silicates	<b>15% Chrysotile</b>
<b>12-86</b> A112251	Transite Siding	Heterogeneous Gray,White Fibrous Bound	50%	Binder Silicates	<b>15% Chrysotile</b>
<b>12-87</b> A112252	Transite Siding	Heterogeneous Gray,White Fibrous Bound	50%	Binder Silicates	<b>15% Chrysotile</b>

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*


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Information provided by customer includes customer sample ID and sample description.

ANALYST: \_\_\_\_\_

  
Gannon Griffin

APPROVED BY: \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:	(87)
CEI Lab Code:	A707177
CEI Lab I.D. Range:	A112111V - A112252

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Ken Karuhn
Company: Carnow Conibear & Associates Ltd	Email / Tel:
Address: 600W. Van Buren Ste. 500	Project Name: Building 12
Chicago, IL. 60607	Project ID#: E 161190057
Email: KKaruhn@CCA1td.com	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN:

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples
		<input type="checkbox"/> Reject Samples
Relinquished By:	Date/Time	Received By:
<i>Ken Karuhn</i>	6/1/20	JB
		6/5/20 9:20

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207177

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 12
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12-01	Wood Floor Sheeting 303 Living Rm	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12-02	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-03	↓	2 <sup>nd</sup> Fl	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-04	Adhesive Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-05	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-06	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-07	Blue Sheeting 303 Living Rm	L-2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-08	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-09	↓	2 <sup>nd</sup> Fl	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-10	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-11	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-12	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-13	FT Beige 303 Living Rm	L-3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-14	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-15	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-16	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-17	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-18	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-19	FT Beige 303 Living Rm	L-4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-20	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-21	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-22	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-23	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-24	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-25	FT Brown 303, Living Rm	L-5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-26	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12-27	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207177

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 12
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-28	Mastic Assoc. 303 Living Rm	L5	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12-29	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-30	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-31	FT Beige 303, 2 <sup>nd</sup> Fl	L5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-32	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-33	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-34	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-35	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-36	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-37	FT Brown 303 2 <sup>nd</sup> Fl	L6	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-38	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-39	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-40	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-41	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-42	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-43	Brown Stair Tread, 303	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-44	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-45	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-46	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-47	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-48	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-49	Dry wall / Joint Compound 303	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-50	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-51	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-52	Hard Elbow, 303	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-53	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12-54	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207177

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 12
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12-55	Duct PaperWrap 303		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12-56	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-57	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-58	Sink Under Coating, 303		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-59	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-60	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-61	Attic Insulation, 303		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-62	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-63	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-64	Ceramic Mortar, 303		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-65	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-66	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-67	Door Caulk, 303		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-68	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-69	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-70	Window Caulk, 293		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-71	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-72	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-73	Drier Vent Caulk 303		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-74	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-75	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-76	Eave Caulk, 303		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-77	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-78	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-79	Exterior Brick Mortar 303		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-80	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12-81	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>





June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 13, E161190057  
**CEI LAB CODE:** A207178

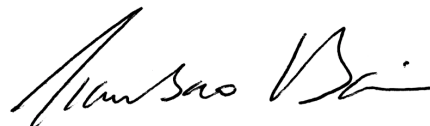
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 13, E161190057

LAB CODE: A207178

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 78

# SAMPLES >1% ASBESTOS: 15

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 13, E161190057

LAB CODE: A207178

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
13-01		A112253	Wood, Patterned	Floor Sheeting	None Detected
13-02		A112254	Wood, Patterned	Floor Sheeting	None Detected
13-03		A112255	Wood, Patterned	Floor Sheeting	None Detected
13-04		A112256	Clear, Yellow	Mastic	None Detected
13-05		A112257	Clear, Yellow	Mastic	None Detected
13-06		A112258	Clear, Yellow	Mastic	None Detected
13-07		A112259	Blue, Gray	Floor Sheeting	None Detected
13-08		A112260	Blue, Gray	Floor Sheeting	None Detected
13-09		A112261	Blue, Gray	Floor Sheeting	None Detected
13-10		A112262	Clear, Yellow	Mastic	None Detected
13-11		A112263	Clear, Yellow	Mastic	None Detected
13-12		A112264	Clear, Yellow	Mastic	None Detected
13-13		A112265	Beige	Ft	None Detected
13-14		A112266	Beige	Ft	None Detected
13-15		A112267	Beige	Ft	None Detected
13-16	Layer 1	A112268	Yellow	Mastic	None Detected
	Layer 2	A112268	Gray	Leveling Compound	None Detected
13-17		A112269	Yellow	Mastic	None Detected
13-18		A112270	Yellow	Mastic	None Detected
13-19		A112271	Beige	Ft	None Detected
13-20		A112272	Beige	Ft	None Detected
13-21		A112273	Beige	Ft	None Detected
13-22		A112274	Yellow	Mastic	None Detected
13-23		A112275	Yellow	Mastic	None Detected
13-24		A112276	Yellow	Mastic	None Detected
13-25		A112277	Beige	Ft	None Detected
13-26		A112278	Beige	Ft	None Detected
13-27		A112279	Beige	Ft	None Detected
13-28		A112280	Yellow, Black	Mastic	<b>Chrysotile 2%</b>

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 13, E161190057

**LAB CODE:** A207178

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
13-29		A112281	Yellow,Black	Mastic	Chrysotile 2%
13-30		A112282	Yellow,Black	Mastic	Chrysotile 2%
13-31		A112283	Brown	Ft	Chrysotile 10%
13-32		A112284	Brown	Ft	Chrysotile 10%
13-33		A112285	Brown	Ft	Chrysotile 10%
13-34		A112286	Black	Mastic	Chrysotile 5%
13-35		A112287	Black	Mastic	Chrysotile 5%
13-36		A112288	Black	Mastic	Chrysotile 5%
13-37		A112289	Brown	Stair Tread	None Detected
13-38		A112290	Brown	Stair Tread	None Detected
13-39		A112291	Brown	Stair Tread	None Detected
13-40		A112292	Yellow,Clear	Adhesive	None Detected
13-41		A112293	Yellow,Clear	Adhesive	None Detected
13-42		A112294	Yellow,Clear	Adhesive	None Detected
13-43		A112295	White	6" X 6" Ceramic Tile Mortar	None Detected
13-44		A112296	White	6" X 6" Ceramic Tile Mortar	None Detected
13-45		A112297	White	6" X 6" Ceramic Tile Mortar	None Detected
13-46		A112298	Off-white,Tan	Drywall/Joint Compound	None Detected
13-47		A112299	Off-white,Tan	Drywall/Joint Compound	None Detected
13-48		A112300	Off-white,Tan	Drywall/Joint Compound	None Detected
13-49		A112301	Beige,Off-white	Canvas Vibration Dampener	Chrysotile 50%
13-50		A112302	Beige,Off-white	Canvas Vibration Dampener	Chrysotile 50%
13-51		A112303	Beige,Off-white	Canvas Vibration Dampener	Chrysotile 50%
13-52		A112304	Gray	Sink Undercoating	None Detected
13-53		A112305	Gray	Sink Undercoating	None Detected
13-54		A112306	Gray	Sink Undercoating	None Detected
13-55		A112307	White,Gray	Door Caulk	None Detected
13-56		A112308	White,Gray	Door Caulk	None Detected
13-57		A112309	White,Gray	Door Caulk	None Detected
13-58		A112310	Gray	Siding Caulk	Chrysotile <1%
13-59		A112311	Gray	Siding Caulk	Chrysotile <1%

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 13, E161190057

**LAB CODE:** A207178

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
13-60		A112312	Gray	Siding Caulk	Chrysotile <1%
13-61		A112313	Off-white	Window Caulk	None Detected
13-62		A112314	Off-white	Window Caulk	None Detected
13-63		A112315	Off-white	Window Caulk	None Detected
13-64		A112316	Off-white	Eave Caulk	None Detected
13-65		A112317	Off-white	Eave Caulk	None Detected
13-66		A112318	Off-white	Eave Caulk	None Detected
13-67		A112319	Gold,White	Furnace Flu Insulation	Tremolite <1%
13-68		A112320	Gold,White	Furnace Flu Insulation	Tremolite <1%
13-69		A112321	Gold,White	Furnace Flu Insulation	Tremolite <1%
13-70		A112322	Gray,White	Transite Siding	Chrysotile 15%
13-71		A112323	Gray,White	Transite Siding	Chrysotile 15%
13-72		A112324	Gray,White	Transite Siding	Chrysotile 15%
13-73		A112325	Beige	Exterior Brick Mortar	None Detected
13-74		A112326	Beige	Exterior Brick Mortar	None Detected
13-75		A112327	Beige	Exterior Brick Mortar	None Detected
13-76		A112328	Red	Exterior Brick	None Detected
13-77		A112329	Red	Exterior Brick	None Detected
13-78		A112330	Red	Exterior Brick	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207178  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>13-01</b> A112253	Floor Sheeting	Homogeneous Wood,Patterned Non-fibrous Tightly Bound	2%	Synthetic Fiber	98% Vinyl	None Detected
<b>13-02</b> A112254	Floor Sheeting	Homogeneous Wood,Patterned Non-fibrous Tightly Bound	2%	Synthetic Fiber	98% Vinyl	None Detected
<b>13-03</b> A112255	Floor Sheeting	Homogeneous Wood,Patterned Non-fibrous Tightly Bound	2%	Synthetic Fiber	98% Vinyl	None Detected
<b>13-04</b> A112256	Mastic	Homogeneous Clear, Yellow Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>13-05</b> A112257	Mastic	Homogeneous Clear, Yellow Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>13-06</b> A112258	Mastic	Homogeneous Clear, Yellow Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>13-07</b> A112259	Floor Sheeting	Homogeneous Blue, Gray Non-fibrous Tightly Bound	2%	Synthetic Fiber	98% Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207178  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>13-08</b> A112260	Floor Sheeting	Homogeneous Blue,Gray Non-fibrous Tightly Bound	2%	Synthetic Fiber	98% Vinyl	None Detected
<b>13-09</b> A112261	Floor Sheeting	Homogeneous Blue,Gray Non-fibrous Tightly Bound	2%	Synthetic Fiber	98% Vinyl	None Detected
<b>13-10</b> A112262	Mastic	Homogeneous Clear, Yellow Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>13-11</b> A112263	Mastic	Homogeneous Clear, Yellow Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>13-12</b> A112264	Mastic	Homogeneous Clear, Yellow Non-fibrous Bound	<1%	Cellulose	100% Mastic	None Detected
<b>13-13</b> A112265	Ft	Homogeneous Beige Non-fibrous Tightly Bound			100% Vinyl	None Detected
<b>13-14</b> A112266	Ft	Homogeneous Beige Non-fibrous Tightly Bound			100% Vinyl	None Detected





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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207178  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>13-15</b> A112267	Ft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl		None Detected
<b>13-16</b> Layer 1 A112268	Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
Layer 2 A112268	Leveling Compound	Homogeneous Gray Non-fibrous Tightly Bound	<1%	Cellulose	85% 15%	Silicates Binder	None Detected
<b>13-17</b> A112269	Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>13-18</b> A112270	Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>13-19</b> A112271	Ft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl		None Detected
<b>13-20</b> A112272	Ft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl		None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207178  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>13-21</b> A112273	Ft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>13-22</b> A112274	Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic None Detected
<b>13-23</b> A112275	Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic None Detected
<b>13-24</b> A112276	Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Cellulose	100%	Mastic None Detected
<b>13-25</b> A112277	Ft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>13-26</b> A112278	Ft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>13-27</b> A112279	Ft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207178  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
<b>13-28</b> A112280	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	<1%	Cellulose	93%	Mastic Tar	<b>2% Chrysotile</b>
Lab Notes: Unable to separate yellow and black mastics for analysis.							
<b>13-29</b> A112281	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	<1%	Cellulose	93%	Mastic Tar	<b>2% Chrysotile</b>
Lab Notes: Unable to separate yellow and black mastics for analysis.							
<b>13-30</b> A112282	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	<1%	Cellulose	93%	Mastic Tar	<b>2% Chrysotile</b>
Lab Notes: Unable to separate yellow and black mastics for analysis.							
<b>13-31</b> A112283	Ft	Homogeneous Brown Fibrous Tightly Bound			90%	Vinyl	<b>10% Chrysotile</b>
<b>13-32</b> A112284	Ft	Homogeneous Brown Fibrous Tightly Bound			90%	Vinyl	<b>10% Chrysotile</b>
<b>13-33</b> A112285	Ft	Homogeneous Brown Fibrous Tightly Bound			90%	Vinyl	<b>10% Chrysotile</b>
<b>13-34</b> A112286	Mastic	Homogeneous Black Fibrous Bound	<1%	Cellulose	95%	Tar	<b>5% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207178  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>13-35</b> A112287	Mastic	Homogeneous Black Fibrous Bound	<1%	Cellulose	95%	Tar	<b>5% Chrysotile</b>
<b>13-36</b> A112288	Mastic	Homogeneous Black Fibrous Bound	<1%	Cellulose	95%	Tar	<b>5% Chrysotile</b>
<b>13-37</b> A112289	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>13-38</b> A112290	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>13-39</b> A112291	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
<b>13-40</b> A112292	Adhesive	Homogeneous Yellow, Clear Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>13-41</b> A112293	Adhesive	Homogeneous Yellow, Clear Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

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**Lab Code:** A207178  
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**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
<b>13-42</b> A112294	Adhesive	Homogeneous Yellow,Clear Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>13-43</b> A112295	6" X 6" Ceramic Tile Mortar	Homogeneous White Fibrous Tightly Bound	3% <1%	Fiberglass Cellulose	85% 12%	Binder Silicates	None Detected
<b>13-44</b> A112296	6" X 6" Ceramic Tile Mortar	Homogeneous White Fibrous Tightly Bound	3% <1%	Fiberglass Cellulose	95% 2%	Binder Silicates	None Detected
<b>13-45</b> A112297	6" X 6" Ceramic Tile Mortar	Homogeneous White Fibrous Tightly Bound	3% <1%	Fiberglass Cellulose	95% 2%	Binder Silicates	None Detected
<b>13-46</b> A112298	Drywall/Joint Compound	Heterogeneous Off-white,Tan Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected
<b>13-47</b> A112299	Drywall/Joint Compound	Heterogeneous Off-white,Tan Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected
<b>13-48</b> A112300	Drywall/Joint Compound	Heterogeneous Off-white,Tan Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected

# ASBESTOS BULK ANALYSIS

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**Lab Code:** A207178  
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**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>13-49</b> A112301	Canvas Vibration Dampener	Heterogeneous	10%	Fiberglass	30%	Binder	<b>50% Chrysotile</b>
		Beige,Off-white Fibrous Bound	5%	Cellulose	5%	Paint	
<b>13-50</b> A112302	Canvas Vibration Dampener	Heterogeneous	10%	Fiberglass	30%	Binder	<b>50% Chrysotile</b>
		Beige,Off-white Fibrous Bound	5%	Cellulose	5%	Paint	
<b>13-51</b> A112303	Canvas Vibration Dampener	Heterogeneous	10%	Fiberglass	30%	Binder	<b>50% Chrysotile</b>
		Beige,Off-white Fibrous Bound	5%	Cellulose	5%	Paint	
<b>13-52</b> A112304	Sink Undercoating	Homogeneous	10%	Cellulose	90%	Binder	None Detected
		Gray Fibrous Bound					
<b>13-53</b> A112305	Sink Undercoating	Homogeneous	10%	Cellulose	90%	Binder	None Detected
		Gray Fibrous Bound					
<b>13-54</b> A112306	Sink Undercoating	Homogeneous	10%	Cellulose	90%	Binder	None Detected
		Gray Fibrous Bound					
<b>13-55</b> A112307	Door Caulk	Heterogeneous			97%	Caulk	None Detected
		White,Gray Non-fibrous Bound			3%	Paint	

# ASBESTOS BULK ANALYSIS

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**Lab Code:** A207178  
**Date Received:** 06-05-20  
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**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>13-56</b> A112308	Door Caulk	Heterogeneous White, Gray Non-fibrous Bound	97%	Caulk	3%	Paint	None Detected
<b>13-57</b> A112309	Door Caulk	Heterogeneous White, Gray Non-fibrous Bound	97%	Caulk	3%	Paint	None Detected
<b>13-58</b> A112310	Siding Caulk	Heterogeneous Gray Fibrous Bound	5%	Talc	95%	Caulk	<1% Chrysotile
<b>13-59</b> A112311	Siding Caulk	Heterogeneous Gray Fibrous Bound	5%	Talc	95%	Caulk	<1% Chrysotile
<b>13-60</b> A112312	Siding Caulk	Heterogeneous Gray Fibrous Bound	5%	Talc	95%	Caulk	<1% Chrysotile
<b>13-61</b> A112313	Window Caulk	Heterogeneous Off-white Non-fibrous Bound	<1%	Fiberglass	100%	Caulk	None Detected
<b>13-62</b> A112314	Window Caulk	Heterogeneous Off-white Non-fibrous Bound	<1%	Fiberglass	100%	Caulk	None Detected

# ASBESTOS BULK ANALYSIS

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**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>13-63</b> A112315	Window Caulk	Heterogeneous Off-white Non-fibrous Bound	<1% Fiberglass	100% Caulk <1% Paint	None Detected
<b>13-64</b> A112316	Eave Caulk	Heterogeneous Off-white Non-fibrous Bound		98% Caulk 2% Paint	None Detected
<b>13-65</b> A112317	Eave Caulk	Heterogeneous Off-white Non-fibrous Bound		98% Caulk 2% Paint	None Detected
<b>13-66</b> A112318	Eave Caulk	Heterogeneous Off-white Non-fibrous Bound		98% Caulk 2% Paint	None Detected
<b>13-67</b> A112319	Furnace Flu Insulation	Heterogeneous Gold,White Non-fibrous Bound		75% Vermiculite 25% Binder <1% Paint	<1% Tremolite
<b>13-68</b> A112320	Furnace Flu Insulation	Heterogeneous Gold,White Non-fibrous Bound		75% Vermiculite 25% Binder <1% Paint	<1% Tremolite
<b>13-69</b> A112321	Furnace Flu Insulation	Heterogeneous Gold,White Non-fibrous Bound		75% Vermiculite 25% Binder <1% Paint	<1% Tremolite



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Chicago, IL 60607

**Lab Code:** A207178  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
13-70 A112322	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	85%	Binder			15% Chrysotile
			<1%	Paint			
13-71 A112323	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	85%	Binder			15% Chrysotile
			<1%	Paint			
13-72 A112324	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	85%	Binder			15% Chrysotile
			<1%	Paint			
13-73 A112325	Exterior Brick Mortar	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Cellulose	60%	Silicates	None Detected
					40%	Binder	
13-74 A112326	Exterior Brick Mortar	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Cellulose	60%	Silicates	None Detected
					40%	Binder	
13-75 A112327	Exterior Brick Mortar	Homogeneous Beige Non-fibrous Tightly Bound	<1%	Cellulose	60%	Silicates	None Detected
					40%	Binder	
13-76 A112328	Exterior Brick	Homogeneous Red Non-fibrous Tightly Bound	85%	Silicates			None Detected
			15%	Binder			

# ASBESTOS BULK ANALYSIS

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**Lab Code:** A207178  
**Date Received:** 06-05-20  
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**Project:** Building 13, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS		ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous	%
<b>13-77</b> A112329	Exterior Brick	Homogeneous Red Non-fibrous Tightly Bound	85%	Silicates Binder	None Detected
<b>13-78</b> A112330	Exterior Brick	Homogeneous Red Non-fibrous Tightly Bound	85%	Silicates Binder	None Detected

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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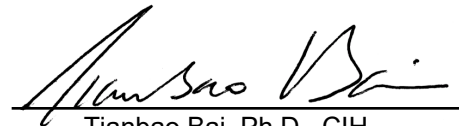
Information provided by customer includes customer sample ID and sample description.

**ANALYST:**



Miguel Angel Maysonet

**APPROVED BY:**



Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY: 87 (78)  
 CEI Lab Code: A112253  
 CEI Lab I.D. Range: A112253 - A112330

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <u>Ken Karuhn</u>
Company: <u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:
Address: <u>600W. Van Buren Ste. 500</u>	Project Name: <u>Building 13</u>
<u>Chicago, IL. 60607</u>	Project ID#: <u>E161190057</u>
Email: <u>KKaruhn@CCALtd.com</u>	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5/20 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

H20-1178

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 13
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
13-01	Wood Floor Sheeting Kitchen	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
03	↓ 2nd Floor		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
04	Adhesive Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
07	Blue Sheeting Kitchen	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
09	↓ 2nd Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10	Adhesive Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
13	FT Beige Kitchen	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15	↓ 2nd Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
16	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
19	FT Beige Kitchen	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
20	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
21	↓ 2nd Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
22	Mastic Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
25	FT Beige 2nd Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
26	↓ Kitchen		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
27	↓ ↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 13
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
13-28	Mastic Assoc		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
31	FT - Brown 2 <sup>nd</sup> Fl	L-6	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
32	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
33	↓ ↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
34	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
36	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
37	Brown Stair Tread		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
38	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
39	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
40	Adhesive Assoc.		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
41	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
43	6"x6" Ceramic Tile Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
44	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
45	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
46	Drywall / Joint Compound		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
48	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
49	Canvas Vibration Dampner		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
50	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
51	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
52	Sink Under Coating		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
53	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
54	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207178

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 13
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-55	Door Caulk		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
3-56	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
3-57	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
58	Siding Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
59	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
60	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
61	Window Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
62	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
63	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
64	Eave Caulk		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
65	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
66	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
67	Furnace Flu Insulation		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
68	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
69	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
70	Transite Siding		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
71	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
72	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
73	Exterior Brick Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
74	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
75	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
76	Exterior Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
77	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
78	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

July 9, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 14, E161190057  
**CEI LAB CODE:** A207179

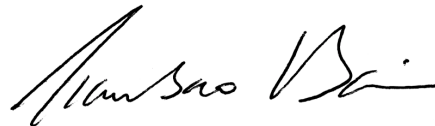
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director





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**AMENDED**

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**ASBESTOS ANALYTICAL REPORT**  
**By: Polarized Light Microscopy**

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 14, E161190057

LAB CODE: A207179

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 99

# SAMPLES >1% ASBESTOS: 28



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Building 14, E161190057

LAB CODE: A207179

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-01		A112331	Black,Off-white	Floor Tile	None Detected
14-02		A112332	Black,Off-white	Floor Tile	None Detected
14-03		A112333	Black,Off-white	Floor Tile	None Detected
14-04		A112334	Clear	Mastic	None Detected
14-05		A112335	Clear	Mastic	None Detected
14-06		A112336	Clear	Mastic	None Detected
14-07		A112337	White	Floor Tile	None Detected
14-08		A112338	White	Floor Tile	None Detected
14-09		A112339	White	Floor Tile	None Detected
14-10		A112340	Clear	Mastic	None Detected
14-11		A112341	Clear	Mastic	None Detected
14-12		A112342	Clear	Mastic	None Detected
14-13		A112343	Beige	Floor Tile	None Detected
14-14		A112344	Beige	Floor Tile	None Detected
14-15		A112345	Beige	Floor Tile	None Detected
14-16		A112346	Yellow	Mastic	None Detected
14-17		A112347	Yellow	Mastic	None Detected
14-18		A112348	Yellow	Mastic	None Detected
14-19		A112349	Beige	Floor Tile	None Detected
14-20		A112350	Beige	Floor Tile	None Detected
14-21		A112351	Beige	Floor Tile	None Detected
14-22		A112352	Yellow	Mastic	None Detected
14-23		A112353	Yellow	Mastic	None Detected
14-24		A112354	Yellow	Mastic	None Detected
14-25		A112355	Beige	Floor Tile	None Detected
14-26		A112356	Beige	Floor Tile	None Detected
14-27		A112357	Beige	Floor Tile	None Detected
14-28		A112358	Yellow	Mastic	None Detected
14-29		A112359		Insufficient Sample	
14-30		A112360	Yellow	Mastic	None Detected
14-31		A112361	Beige	Floor Tile	None Detected



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**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 14, E161190057**LAB CODE:** A207179**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-32		A112362	Beige	Floor Tile	None Detected
14-33		A112363	Beige	Floor Tile	None Detected
14-34	Layer 1	A112364	Yellow	Mastic	None Detected
	Layer 2	A112364	Tan	Mastic	None Detected
14-35	Layer 1	A112365	Yellow	Mastic	None Detected
	Layer 2	A112365	Tan	Mastic	None Detected
14-36	Layer 1	A112366	Yellow	Mastic	None Detected
	Layer 2	A112366	Tan	Mastic	None Detected
14-37		A112367	Beige	Floor Tile	None Detected
14-38		A112368	Beige	Floor Tile	None Detected
14-39		A112369	Beige	Floor Tile	None Detected
14-40		A112370	Beige	Floor Tile	None Detected
14-41	Layer 1	A112371	Yellow	Mastic	None Detected
	Layer 2	A112371	Tan	Mastic	None Detected
14-42	Layer 1	A112372	Yellow	Mastic	None Detected
	Layer 2	A112372	Tan,Black	Mastic	<b>Chrysotile 2%</b>
14-43	Layer 1	A112373	Yellow	Mastic	None Detected
	Layer 2	A112373	Tan,Black	Mastic	<b>Chrysotile 2%</b>
14-44	Layer 1	A112374	Yellow	Mastic	None Detected
	Layer 2	A112374	Tan,Black	Mastic	<b>Chrysotile 2%</b>
14-45		A112375	Beige	Floor Tile	None Detected
14-46		A112376	Beige	Floor Tile	None Detected
14-47		A112377	Beige	Floor Tile	<b>Chrysotile 2%</b>
14-48		A112378	Tan	Mastic	None Detected
14-49		A112379	Tan	Mastic	None Detected
14-50		A112380	Tan	Mastic	None Detected
14-51		A112381	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-52		A112382	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-53		A112383	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-54		A112384	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-55		A112385	Black	Mastic	<b>Chrysotile 3%</b>



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**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 14, E161190057**LAB CODE:** A207179**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-56	Layer 1	A112386	Yellow	Mastic	None Detected
	Layer 2	A112386	Black	Mastic	<b>Chrysotile 3%</b>
14-57		A112387	Black	Mastic	<b>Chrysotile 3%</b>
14-58		A112388	Black,Tan	Mastic	<b>Chrysotile 3%</b>
14-59		A112389	Brown	Stair Tread	None Detected
14-60		A112390	Brown	Stair Tread	None Detected
14-61		A112391	Brown	Stair Tread	None Detected
14-62		A112392	Tan	Adhesive	None Detected
14-63		A112393	Tan	Adhesive	None Detected
14-64		A112394	Tan	Adhesive	None Detected
14-65		A112395	White	Joint Compound	<b>Chrysotile 2%</b>
14-66		A112396	White	Joint Compound	<b>Chrysotile 2%</b>
14-67		A112397	White	Joint Compound	<b>Chrysotile 2%</b>
14-68		A112398	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
14-69		A112399	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
14-70		A112400	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
14-71		A112401	White	Texture	None Detected
14-72		A112402	White	Texture	None Detected
14-73		A112403	White	Texture	None Detected
14-74		A112404	Off-white	Vibration Dampener	<b>Chrysotile 20%</b>
14-75		A112405	Off-white	Vibration Dampener	<b>Chrysotile 20%</b>
14-76		A112406	Off-white	Vibration Dampener	<b>Chrysotile 20%</b>
14-77		A112407	Gray,Tan	Duct Sealant	<b>Chrysotile 3%</b>
14-78		A112408	Gray,Tan	Duct Sealant	<b>Chrysotile 3%</b>
14-79		A112409	Gray,Tan	Duct Sealant	<b>Chrysotile 3%</b>
14-80		A112410	Gray	Brick Mortar	None Detected
14-81		A112411	Gray	Brick Mortar	None Detected
14-82		A112412	Gray	Brick Mortar	None Detected
14-83		A112413	Red	Brick Mortar	None Detected

**PROJECT:** Building 14, E161190057

**LAB CODE:** A207179

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-84		A112414	Red	Brick Mortar	None Detected
14-85		A112415	Red	Brick Mortar	None Detected
14-86		A112416	Tan	Adhesive	None Detected
14-87		A112417	Cream	Adhesive	None Detected
14-88		A112418	Cream	Adhesive	None Detected
14-89		A112419	White	Textured Ceiling	None Detected
14-90		A112420	White	Textured Ceiling	None Detected
14-91	Layer 1	A112421	White	Textured Ceiling	None Detected
	Layer 2	A112421	Off-white	Textured Ceiling	<b>Chrysotile 2%</b>
14-92		A112422	White	Ceramic Mortar	None Detected
14-93		A112423	White	Ceramic Mortar	None Detected
14-94		A112424	White	Ceramic Mortar	None Detected
14-95		A112425	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
14-96		A112426	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
14-97		A112427	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
14-98		A112428	Gray	Concrete Brick Mortar	None Detected
14-99		A112429	Gray	Concrete Brick Mortar	None Detected
14-100		A112430	Gray	Concrete Brick Mortar	None Detected



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**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-01</b> A112331	Floor Tile	Heterogeneous Black, Off-white Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-02</b> A112332	Floor Tile	Heterogeneous Black, Off-white Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-03</b> A112333	Floor Tile	Heterogeneous Black, Off-white Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-04</b> A112334	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-05</b> A112335	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-06</b> A112336	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-07</b> A112337	Floor Tile	Heterogeneous White Non-fibrous Tightly Bound	100%	Vinyl	None Detected



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# ASBESTOS BULK ANALYSIS

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Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-08</b> A112338	Floor Tile	Heterogeneous White Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-09</b> A112339	Floor Tile	Heterogeneous White Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-10</b> A112340	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-11</b> A112341	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-12</b> A112342	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-13</b> A112343	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-14</b> A112344	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected



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**AMENDED****ASBESTOS BULK ANALYSIS**

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**Project:** Building 14, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-15</b> A112345	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-16</b> A112346	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-17</b> A112347	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-18</b> A112348	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-19</b> A112349	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-20</b> A112350	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-21</b> A112351	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected





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**AMENDED****ASBESTOS BULK ANALYSIS**

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**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-22</b> A112352	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-23</b> A112353	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-24</b> A112354	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-25</b> A112355	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-26</b> A112356	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-27</b> A112357	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-28</b> A112358	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-29</b> A112359	Insufficient Sample				



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# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-30</b> A112360	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-31</b> A112361	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-32</b> A112362	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-33</b> A112363	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-34</b> Layer 1 A112364	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112364	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-35</b> Layer 1 A112365	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected



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**AMENDED****ASBESTOS BULK ANALYSIS**

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**Project:** Building 14, E161190057

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A112365	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-36</b> Layer 1 A112366	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112366	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-37</b> A112367	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-38</b> A112368	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-39</b> A112369	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-40</b> A112370	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected



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# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
14-41 Layer 1 A112371	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected	
Layer 2 A112371	Mastic	Homogeneous Tan Non-fibrous Bound	100%		Mastic	None Detected	
Lab Notes: Insufficient black mastic present							
14-42 Layer 1 A112372	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected	
Layer 2 A112372	Mastic	Heterogeneous Tan,Black Fibrous Bound	3%	Cellulose	95%	Mastic	<b>2% Chrysotile</b>
Lab Notes: Unable to separate mastics							
14-43 Layer 1 A112373	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected	
Layer 2 A112373	Mastic	Heterogeneous Tan,Black Fibrous Bound	3%	Cellulose	95%	Mastic	<b>2% Chrysotile</b>
Lab Notes: Unable to separate mastics							
14-44 Layer 1 A112374	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic	None Detected	



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
Layer 2 A112374	Mastic	Heterogeneous Tan,Black Fibrous Bound	3%	Cellulose	95%	Mastic <b>2% Chrysotile</b>
Lab Notes: Unable to separate mastics						
<b>14-45</b> A112375	Floor Tile	Heterogeneous Beige Non-fibrous Tightly Bound			100%	Vinyl None Detected
<b>14-46</b> A112376	Floor Tile	Heterogeneous Beige Non-fibrous Tightly Bound			100%	Vinyl None Detected
<b>14-47</b> A112377	Floor Tile	Heterogeneous Beige Non-fibrous Tightly Bound			98%	Vinyl <b>2% Chrysotile</b>
<b>14-48</b> A112378	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic None Detected
<b>14-49</b> A112379	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic None Detected
<b>14-50</b> A112380	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic None Detected



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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-51</b> A112381	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-52</b> A112382	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-53</b> A112383	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-54</b> A112384	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-55</b> A112385	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>
<b>14-56</b> Layer 1 A112386	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112386	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>



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# ASBESTOS BULK ANALYSIS

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600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-57</b> A112387	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>
<b>14-58</b> A112388	Mastic	Homogeneous Black,Tan Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>
Lab Notes: Unable to separate mastics					
<b>14-59</b> A112389	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-60</b> A112390	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-61</b> A112391	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-62</b> A112392	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-63</b> A112393	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
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**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
<b>14-64</b> A112394	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected
<b>14-65</b> A112395	Joint Compound	Heterogeneous White Non-fibrous Bound	5% 68% 25%	Paint Calc Carb Binder		<b>2% Chrysotile</b>
<b>14-66</b> A112396	Joint Compound	Heterogeneous White Non-fibrous Bound	5% 68% 25%	Paint Calc Carb Binder		<b>2% Chrysotile</b>
<b>14-67</b> A112397	Joint Compound	Heterogeneous White Non-fibrous Bound	5% 68% 25%	Paint Calc Carb Binder		<b>2% Chrysotile</b>
<b>14-68</b> A112398	Hard Elbow	Homogeneous White Fibrous Bound	15%	Fiberglass	83%	Binder <b>2% Amosite</b> <b>&lt;1% Chrysotile</b>
<b>14-69</b> A112399	Hard Elbow	Homogeneous White Fibrous Bound	15%	Fiberglass	83%	Binder <b>2% Amosite</b> <b>&lt;1% Chrysotile</b>
<b>14-70</b> A112400	Hard Elbow	Homogeneous White Fibrous Bound	15%	Fiberglass	83%	Binder <b>2% Amosite</b> <b>&lt;1% Chrysotile</b>



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**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>14-71</b> A112401	Texture	Heterogeneous White Non-fibrous Loosely Bound	<1%	Paint	70%	Calc Carb 30% Binder	None Detected
<b>14-72</b> A112402	Texture	Heterogeneous White Non-fibrous Loosely Bound	<1%	Paint	70%	Calc Carb 30% Binder	None Detected
<b>14-73</b> A112403	Texture	Heterogeneous White Non-fibrous Loosely Bound	<1%	Paint	70%	Calc Carb 30% Binder	None Detected
<b>14-74</b> A112404	Vibration Dampener	Heterogeneous Off-white Fibrous Bound	40%	Cellulose	25%	Binder <1% Paint	<b>20% Chrysotile</b>
<b>14-75</b> A112405	Vibration Dampener	Heterogeneous Off-white Fibrous Bound	40%	Cellulose	25%	Binder <1% Paint	<b>20% Chrysotile</b>
<b>14-76</b> A112406	Vibration Dampener	Heterogeneous Off-white Fibrous Bound	40%	Cellulose	25%	Binder <1% Paint	<b>20% Chrysotile</b>
<b>14-77</b> A112407	Duct Sealant	Heterogeneous Gray,Tan Fibrous Bound	5%	Talc	<1%	Paint 92% Binder	<b>3% Chrysotile</b>

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**Lab Code:** A207179  
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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>14-78</b> A112408	Duct Sealant	Heterogeneous Gray,Tan Fibrous Bound	5%	Talc	<1%	Paint 92% Binder	<b>3% Chrysotile</b>
<b>14-79</b> A112409	Duct Sealant	Heterogeneous Gray,Tan Fibrous Bound	5%	Talc	<1%	Paint 92% Binder	<b>3% Chrysotile</b>
<b>14-80</b> A112410	Brick Mortar	Homogeneous Gray Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected
<b>14-81</b> A112411	Brick Mortar	Homogeneous Gray Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected
<b>14-82</b> A112412	Brick Mortar	Homogeneous Gray Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected
<b>14-83</b> A112413	Brick Mortar	Homogeneous Red Non-fibrous Tightly Bound			75%	Silicates 25% Binder	None Detected
<b>14-84</b> A112414	Brick Mortar	Homogeneous Red Non-fibrous Tightly Bound			75%	Silicates 25% Binder	None Detected



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AMENDED

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-85</b> A112415	Brick Mortar	Homogeneous Red Non-fibrous Tightly Bound	75% 25%	Silicates Binder	None Detected
<b>14-86</b> A112416	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-87</b> A112417	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>14-88</b> A112418	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>14-89</b> A112419	Textured Ceiling	Heterogeneous White Non-fibrous Bound	5% 60% 35%	Paint Calc Carb Binder	None Detected
<b>14-90</b> A112420	Textured Ceiling	Heterogeneous White Non-fibrous Bound	5% 60% 35%	Paint Calc Carb Binder	None Detected
<b>14-91</b> Layer 1 A112421	Textured Ceiling	Heterogeneous White Non-fibrous Bound	5% 60% 35%	Paint Calc Carb Binder	None Detected

**Client:** Carnow, Conibear & Assoc., Ltd.  
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 Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A112421	Textured Ceiling	Heterogeneous Off-white Non-fibrous Bound	5% 60% 33%	Paint Calc Carb Binder	<b>2% Chrysotile</b>
<b>14-92</b> A112422	Ceramic Mortar	Homogeneous White Non-fibrous Bound	20% 80%	Silicates Binder	None Detected
<b>14-93</b> A112423	Ceramic Mortar	Homogeneous White Non-fibrous Bound	20% 80%	Silicates Binder	None Detected
<b>14-94</b> A112424	Ceramic Mortar	Homogeneous White Non-fibrous Bound	20% 80%	Silicates Binder	None Detected
<b>14-95</b> A112425	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	<1% 85%	Paint Binder	<b>15% Chrysotile</b>
<b>14-96</b> A112426	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	<1% 85%	Paint Binder	<b>15% Chrysotile</b>
<b>14-97</b> A112427	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	<1% 85%	Paint Binder	<b>15% Chrysotile</b>



CEI

AMENDED

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-98</b> A112428	Concrete Brick Mortar	Heterogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous	<1%	Paint	
		Bound			
<b>14-99</b> A112429	Concrete Brick Mortar	Homogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous			
		Bound			
<b>14-100</b> A112430	Concrete Brick Mortar	Heterogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous	<1%	Paint	
		Bound			

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

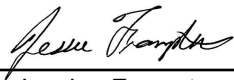
---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

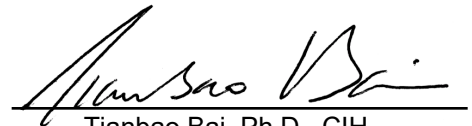
Information provided by customer includes customer sample ID and sample description.

**ANALYST:**



Jessica Frampton

**APPROVED BY:**



Tianbao Bai, Ph.D., CIH  
Laboratory Director



AMENDED due to Client Wishes to Change Specifications for Analysis - Separate Compositing Layers



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code: *A112331*

CEI Lab I.D. Range: *A112331-A112430*

100

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <i>Ken Karuhn</i>
Company: <i>Carnow Conibeare &amp; Associates Ltd</i>	Email / Tel:
Address: <i>600W. Van Buren Ste. 500</i>	Project Name: <i>Building 14</i>
<i>Chicago, IL 60607</i>	Project ID#: <i>E161190057</i>
Email: <i>K.Karuhn@CCA Ltd.com</i>	PO #:
Tel: Fax:	STATE SAMPLES COLLECTED IN: <i>IL</i>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

Accept Samples  
 Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Ken Karuhn</i>	<i>6-1-20</i>	<i>JB</i>	<i>6/5 9:20</i>

Samples will be disposed of 30 days after analysis

Page \_\_\_ of \_\_\_

A207179

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 14
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14-01	12"x12" FT Black Kitchen 1119	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
03	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
04	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
07	12"x12" FT White Kitchen 1119	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
13	12"x12" FT Beige	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
16	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
19	12"x12" FT Beige Mottled 1121	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
20	↓	1123	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
21	↓	1123	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
22	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
25	12"x12" FT Beige Streak 1119		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
26	↓	1119	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
27	↓	1119	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>



A207179

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 14
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14-28	Mastic Assoc		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
31	FT Beige, 1121 second Fl	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
32	1121 Living Rm		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
33	1123 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
34	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
36	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
37	FT Beige, 1119 2 <sup>nd</sup> Fl	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
38	1119 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
39	1123 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
40	1121 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
41	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
43	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
44	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
45	FT Beige w/Pattern, 1119 2 <sup>nd</sup> Fl	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
46	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
48	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
49	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
50	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
51	FT Brown, 1121 Living Rm	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
52	1121 2 <sup>nd</sup> Fl	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
53	1123 2 <sup>nd</sup> Fl	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
54	1119 2 <sup>nd</sup> Fl	L5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM	TEM
14-55	Mastic Assoc		<input checked="" type="checkbox"/>	<input type="checkbox"/>
56	↓		<input type="checkbox"/>	<input type="checkbox"/>
57	↓		<input type="checkbox"/>	<input type="checkbox"/>
58	↓		<input type="checkbox"/>	<input type="checkbox"/>
59	Stair Tread 1121		<input type="checkbox"/>	<input type="checkbox"/>
60	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
61	↓ 1119		<input type="checkbox"/>	<input type="checkbox"/>
62	Adhesive Assoc 1121		<input type="checkbox"/>	<input type="checkbox"/>
63	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
64	↓ 1119		<input type="checkbox"/>	<input type="checkbox"/>
65	Drywall/Joint 1119		<input type="checkbox"/>	<input type="checkbox"/>
66	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
67	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
68	Hard Elbow 1121		<input type="checkbox"/>	<input type="checkbox"/>
69	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
70	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
71	Textured Wall, 1119, Living Rm		<input type="checkbox"/>	<input type="checkbox"/>
72	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
73	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
74	Canvas Vibration Damper 1119		<input type="checkbox"/>	<input type="checkbox"/>
75	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
76	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
77	Duct Sealant 1121		<input type="checkbox"/>	<input type="checkbox"/>
78	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
79	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
80	Exterior Brick Mortar		<input type="checkbox"/>	<input type="checkbox"/>
81	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
82	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>



## **Vanessa Coppens**

---

**From:** Nickolas Rouse  
**Sent:** Friday, June 5, 2020 1:34 PM  
**To:** Vanessa Coppens  
**Subject:** FW: Confirmation

**From:** Nickolas Rouse  
**Sent:** Friday, June 05, 2020 1:34 PM  
**To:** 'kkaruhn@caltld.com' <kkaruhn@caltld.com>  
**Subject:** Confirmation

Good Afternoon,

Thanks for the help earlier! This is written confirmation of our discussion earlier on project Building 14, E161190057. Per our phone call we will proceed as follows:

We will add the second set of samples labeled as 86/87/88 to the COC as samples 98/99/100.

Please reply at your earliest convenience to confirm. Let me know if there is anything else I can do for you, and thank you for choosing Eurofins CEI Labs.

Best Regards

**Nickolas Rouse**  
Laboratory Technician, Sample Receiving

Eurofins CEI  
730 SE Maynard Rd  
Cary, NC 27511  
USA

Phone: +1 919-481-1413

Fax: +1 919-481-1442  
E-mail: [NickolasRouse@eurofinsUs.com](mailto:NickolasRouse@eurofinsUs.com)  
[www.EurofinsUS.com/CEI](http://www.EurofinsUS.com/CEI)

**Kassidy Harris**

---

JF

**From:** Ken Karuhn <kkaruhn@caltcd.com>  
**Sent:** Wednesday, July 8, 2020 4:42 PM  
**To:** #US73\_Asbestos  
**Cc:** Derek Lantry  
**Subject:** Joint compound analysis

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Please separate the drywall joint compound from the drywall and analyze the joint compound layer only (1 day TAT) for the following samples:

CCA Project Number: E161190057

- A207168 - Sample 3-30 (building 3)
- A207171 – Samples 6-43 and 6-44 (building 6)
- A207176 – Samples 11-37, 11-38, and 11-39 (building 11)
- A207179 – Samples 14-65, 14-66, and 14-67 (building 14)

Thanks,  
Ken



**Kenneth Karuhn**  
Environmental Hygienist

600 West Van Buren Street, Suite 500  
Chicago, Illinois 60607  
t: 312.762.2976 c: 312.656.6057  
e: kkaruhn@caltcd.com w: caltcd.com

Notify us [here](#) to report this email as spam.

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 14, E161190057  
**CEI LAB CODE:** A207179

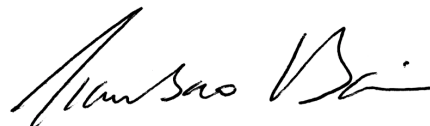
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 14, E161190057

LAB CODE: A207179

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 99

# SAMPLES >1% ASBESTOS: 25

**PROJECT:** Building 14, E161190057

**LAB CODE:** A207179

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-01		A112331	Black,Off-white	Floor Tile	None Detected
14-02		A112332	Black,Off-white	Floor Tile	None Detected
14-03		A112333	Black,Off-white	Floor Tile	None Detected
14-04		A112334	Clear	Mastic	None Detected
14-05		A112335	Clear	Mastic	None Detected
14-06		A112336	Clear	Mastic	None Detected
14-07		A112337	White	Floor Tile	None Detected
14-08		A112338	White	Floor Tile	None Detected
14-09		A112339	White	Floor Tile	None Detected
14-10		A112340	Clear	Mastic	None Detected
14-11		A112341	Clear	Mastic	None Detected
14-12		A112342	Clear	Mastic	None Detected
14-13		A112343	Beige	Floor Tile	None Detected
14-14		A112344	Beige	Floor Tile	None Detected
14-15		A112345	Beige	Floor Tile	None Detected
14-16		A112346	Yellow	Mastic	None Detected
14-17		A112347	Yellow	Mastic	None Detected
14-18		A112348	Yellow	Mastic	None Detected
14-19		A112349	Beige	Floor Tile	None Detected
14-20		A112350	Beige	Floor Tile	None Detected
14-21		A112351	Beige	Floor Tile	None Detected
14-22		A112352	Yellow	Mastic	None Detected
14-23		A112353	Yellow	Mastic	None Detected
14-24		A112354	Yellow	Mastic	None Detected
14-25		A112355	Beige	Floor Tile	None Detected
14-26		A112356	Beige	Floor Tile	None Detected
14-27		A112357	Beige	Floor Tile	None Detected
14-28		A112358	Yellow	Mastic	None Detected
14-29		A112359		Insufficient Sample	
14-30		A112360	Yellow	Mastic	None Detected
14-31		A112361	Beige	Floor Tile	None Detected



PROJECT: Building 14, E161190057

LAB CODE: A207179

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-32		A112362	Beige	Floor Tile	None Detected
14-33		A112363	Beige	Floor Tile	None Detected
14-34	Layer 1	A112364	Yellow	Mastic	None Detected
	Layer 2	A112364	Tan	Mastic	None Detected
14-35	Layer 1	A112365	Yellow	Mastic	None Detected
	Layer 2	A112365	Tan	Mastic	None Detected
14-36	Layer 1	A112366	Yellow	Mastic	None Detected
	Layer 2	A112366	Tan	Mastic	None Detected
14-37		A112367	Beige	Floor Tile	None Detected
14-38		A112368	Beige	Floor Tile	None Detected
14-39		A112369	Beige	Floor Tile	None Detected
14-40		A112370	Beige	Floor Tile	None Detected
14-41	Layer 1	A112371	Yellow	Mastic	None Detected
	Layer 2	A112371	Tan	Mastic	None Detected
14-42	Layer 1	A112372	Yellow	Mastic	None Detected
	Layer 2	A112372	Tan,Black	Mastic	<b>Chrysotile 2%</b>
14-43	Layer 1	A112373	Yellow	Mastic	None Detected
	Layer 2	A112373	Tan,Black	Mastic	<b>Chrysotile 2%</b>
14-44	Layer 1	A112374	Yellow	Mastic	None Detected
	Layer 2	A112374	Tan,Black	Mastic	<b>Chrysotile 2%</b>
14-45		A112375	Beige	Floor Tile	None Detected
14-46		A112376	Beige	Floor Tile	None Detected
14-47		A112377	Beige	Floor Tile	<b>Chrysotile 2%</b>
14-48		A112378	Tan	Mastic	None Detected
14-49		A112379	Tan	Mastic	None Detected
14-50		A112380	Tan	Mastic	None Detected
14-51		A112381	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-52		A112382	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-53		A112383	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-54		A112384	Brown	Floor Tile	<b>Chrysotile 3%</b>
14-55		A112385	Black	Mastic	<b>Chrysotile 3%</b>

**PROJECT:** Building 14, E161190057

**LAB CODE:** A207179

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-56	Layer 1	A112386	Yellow	Mastic	None Detected
	Layer 2	A112386	Black	Mastic	<b>Chrysotile 3%</b>
14-57		A112387	Black	Mastic	<b>Chrysotile 3%</b>
14-58		A112388	Black,Tan	Mastic	<b>Chrysotile 3%</b>
14-59		A112389	Brown	Stair Tread	None Detected
14-60		A112390	Brown	Stair Tread	None Detected
14-61		A112391	Brown	Stair Tread	None Detected
14-62		A112392	Tan	Adhesive	None Detected
14-63		A112393	Tan	Adhesive	None Detected
14-64		A112394	Tan	Adhesive	None Detected
14-65		A112395	White	Drywall/Joint Compound	<b>Chrysotile &lt;1%</b>
14-66		A112396	White	Drywall/Joint Compound	<b>Chrysotile &lt;1%</b>
14-67	Layer 1	A112397	White	Texture	None Detected
	Layer 2	A112397	White	Drywall/Joint Compound	<b>Chrysotile &lt;1%</b>
14-68		A112398	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
14-69		A112399	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
14-70		A112400	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
14-71		A112401	White	Texture	None Detected
14-72		A112402	White	Texture	None Detected
14-73		A112403	White	Texture	None Detected
14-74		A112404	Off-white	Vibration Dampener	<b>Chrysotile 20%</b>
14-75		A112405	Off-white	Vibration Dampener	<b>Chrysotile 20%</b>
14-76		A112406	Off-white	Vibration Dampener	<b>Chrysotile 20%</b>
14-77		A112407	Gray,Tan	Duct Sealant	<b>Chrysotile 3%</b>
14-78		A112408	Gray,Tan	Duct Sealant	<b>Chrysotile 3%</b>
14-79		A112409	Gray,Tan	Duct Sealant	<b>Chrysotile 3%</b>
14-80		A112410	Gray	Brick Mortar	None Detected
14-81		A112411	Gray	Brick Mortar	None Detected
14-82		A112412	Gray	Brick Mortar	None Detected

**PROJECT:** Building 14, E161190057

**LAB CODE:** A207179

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
14-83		A112413	Red	Brick Mortar	None Detected
14-84		A112414	Red	Brick Mortar	None Detected
14-85		A112415	Red	Brick Mortar	None Detected
14-86		A112416	Tan	Adhesive	None Detected
14-87		A112417	Cream	Adhesive	None Detected
14-88		A112418	Cream	Adhesive	None Detected
14-89		A112419	White	Textured Ceiling	None Detected
14-90		A112420	White	Textured Ceiling	None Detected
14-91	Layer 1	A112421	White	Textured Ceiling	None Detected
	Layer 2	A112421	Off-white	Textured Ceiling	<b>Chrysotile 2%</b>
14-92		A112422	White	Ceramic Mortar	None Detected
14-93		A112423	White	Ceramic Mortar	None Detected
14-94		A112424	White	Ceramic Mortar	None Detected
14-95		A112425	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
14-96		A112426	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
14-97		A112427	Gray,White	Transite Siding	<b>Chrysotile 15%</b>
14-98		A112428	Gray	Concrete Brick Mortar	None Detected
14-99		A112429	Gray	Concrete Brick Mortar	None Detected
14-100		A112430	Gray	Concrete Brick Mortar	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-01</b> A112331	Floor Tile	Heterogeneous Black, Off-white Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-02</b> A112332	Floor Tile	Heterogeneous Black, Off-white Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-03</b> A112333	Floor Tile	Heterogeneous Black, Off-white Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-04</b> A112334	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-05</b> A112335	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-06</b> A112336	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-07</b> A112337	Floor Tile	Heterogeneous White Non-fibrous Tightly Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

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Chicago, IL 60607

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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-08</b> A112338	Floor Tile	Heterogeneous White Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-09</b> A112339	Floor Tile	Heterogeneous White Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-10</b> A112340	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-11</b> A112341	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-12</b> A112342	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>14-13</b> A112343	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-14</b> A112344	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207179  
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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-15</b> A112345	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-16</b> A112346	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-17</b> A112347	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-18</b> A112348	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-19</b> A112349	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-20</b> A112350	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-21</b> A112351	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-22</b> A112352	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-23</b> A112353	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-24</b> A112354	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-25</b> A112355	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-26</b> A112356	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-27</b> A112357	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-28</b> A112358	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-29</b> A112359	Insufficient Sample				

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-30</b> A112360	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>14-31</b> A112361	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-32</b> A112362	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-33</b> A112363	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-34</b> Layer 1 A112364	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112364	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-35</b> Layer 1 A112365	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected





CEI

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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600 W Van Buren St Ste 500  
Chicago, IL 60607

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**Date Received:** 06-05-20  
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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A112365	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-36</b> Layer 1 A112366	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112366	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-37</b> A112367	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-38</b> A112368	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-39</b> A112369	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-40</b> A112370	Floor Tile	Homogeneous Beige Non-fibrous Tightly Bound	100%	Vinyl	None Detected



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
14-41 Layer 1 A112371	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112371	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: Insufficient black mastic present					
14-42 Layer 1 A112372	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112372	Mastic	Heterogeneous Tan,Black Fibrous Bound	3%	Cellulose 95%	Mastic <b>2% Chrysotile</b>
Lab Notes: Unable to separate mastics					
14-43 Layer 1 A112373	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112373	Mastic	Heterogeneous Tan,Black Fibrous Bound	3%	Cellulose 95%	Mastic <b>2% Chrysotile</b>
Lab Notes: Unable to separate mastics					
14-44 Layer 1 A112374	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
Layer 2 A112374	Mastic	Heterogeneous Tan,Black Fibrous Bound	3%	Cellulose	95%	Mastic <b>2% Chrysotile</b>
Lab Notes: Unable to separate mastics						
<b>14-45</b> A112375	Floor Tile	Heterogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>14-46</b> A112376	Floor Tile	Heterogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected
<b>14-47</b> A112377	Floor Tile	Heterogeneous Beige Non-fibrous Tightly Bound		98%	Vinyl	<b>2% Chrysotile</b>
<b>14-48</b> A112378	Mastic	Homogeneous Tan Non-fibrous Bound		100%	Mastic	None Detected
<b>14-49</b> A112379	Mastic	Homogeneous Tan Non-fibrous Bound		100%	Mastic	None Detected
<b>14-50</b> A112380	Mastic	Homogeneous Tan Non-fibrous Bound		100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-51</b> A112381	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-52</b> A112382	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-53</b> A112383	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-54</b> A112384	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	97%	Vinyl	<b>3% Chrysotile</b>
<b>14-55</b> A112385	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>
<b>14-56</b> Layer 1 A112386	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A112386	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207179  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-10-20  
**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-57</b> A112387	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>
<b>14-58</b> A112388	Mastic	Homogeneous Black,Tan Non-fibrous Bound	97%	Mastic	<b>3% Chrysotile</b>
Lab Notes: Unable to separate mastics					
<b>14-59</b> A112389	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-60</b> A112390	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-61</b> A112391	Stair Tread	Homogeneous Brown Non-fibrous Tightly Bound	100%	Vinyl	None Detected
<b>14-62</b> A112392	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-63</b> A112393	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

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 600 W Van Buren St Ste 500  
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**Lab Code:** A207179  
**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>14-64</b> A112394	Adhesive	Homogeneous Tan Non-fibrous Bound			100% Mastic	None Detected
<b>14-65</b> A112395	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	<1% Paint 5% Calc Carb 80% Gypsum	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound only; <1% overall						
<b>14-66</b> A112396	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	<1% Paint 5% Calc Carb 80% Gypsum	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound only; <1% overall						
<b>14-67</b> Layer 1 A112397	Texture	Heterogeneous White Non-fibrous Bound			5% Paint 65% Calc Carb 30% Binder	None Detected
<b>14-67</b> Layer 2 A112397	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	<1% Paint 5% Calc Carb 80% Gypsum	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound only; <1% overall						
<b>14-68</b> A112398	Hard Elbow	Homogeneous White Fibrous Bound	15%	Fiberglass	83% Binder	2% Amosite <1% Chrysotile
<b>14-69</b> A112399	Hard Elbow	Homogeneous White Fibrous Bound	15%	Fiberglass	83% Binder	2% Amosite <1% Chrysotile

# ASBESTOS BULK ANALYSIS

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**Date Received:** 06-05-20  
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**Date Reported:** 06-10-20

**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>14-70</b> A112400	Hard Elbow	Homogeneous White Fibrous Bound	15%	Fiberglass	83%	Binder	<b>2% Amosite &lt;1% Chrysotile</b>
<b>14-71</b> A112401	Texture	Heterogeneous White Non-fibrous Loosely Bound			<1%	Paint 70% Calc Carb 30% Binder	None Detected
<b>14-72</b> A112402	Texture	Heterogeneous White Non-fibrous Loosely Bound			<1%	Paint 70% Calc Carb 30% Binder	None Detected
<b>14-73</b> A112403	Texture	Heterogeneous White Non-fibrous Loosely Bound			<1%	Paint 70% Calc Carb 30% Binder	None Detected
<b>14-74</b> A112404	Vibration Dampener	Heterogeneous Off-white Fibrous Bound	40%	Cellulose	25%	Binder	<b>20% Chrysotile</b>
			15%	Fiberglass	<1%	Paint	
<b>14-75</b> A112405	Vibration Dampener	Heterogeneous Off-white Fibrous Bound	40%	Cellulose	25%	Binder	<b>20% Chrysotile</b>
			15%	Fiberglass	<1%	Paint	
<b>14-76</b> A112406	Vibration Dampener	Heterogeneous Off-white Fibrous Bound	40%	Cellulose	25%	Binder	<b>20% Chrysotile</b>
			15%	Fiberglass	<1%	Paint	

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>14-77</b> A112407	Duct Sealant	Heterogeneous Gray,Tan Fibrous Bound	5%	Talc	<1%	Paint 92% Binder	<b>3% Chrysotile</b>
<b>14-78</b> A112408	Duct Sealant	Heterogeneous Gray,Tan Fibrous Bound	5%	Talc	<1%	Paint 92% Binder	<b>3% Chrysotile</b>
<b>14-79</b> A112409	Duct Sealant	Heterogeneous Gray,Tan Fibrous Bound	5%	Talc	<1%	Paint 92% Binder	<b>3% Chrysotile</b>
<b>14-80</b> A112410	Brick Mortar	Homogeneous Gray Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected
<b>14-81</b> A112411	Brick Mortar	Homogeneous Gray Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected
<b>14-82</b> A112412	Brick Mortar	Homogeneous Gray Non-fibrous Tightly Bound			85%	Silicates 15% Binder	None Detected
<b>14-83</b> A112413	Brick Mortar	Homogeneous Red Non-fibrous Tightly Bound			75%	Silicates 25% Binder	None Detected



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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-84</b> A112414	Brick Mortar	Homogeneous Red Non-fibrous Tightly Bound	75% 25%	Silicates Binder	None Detected
<b>14-85</b> A112415	Brick Mortar	Homogeneous Red Non-fibrous Tightly Bound	75% 25%	Silicates Binder	None Detected
<b>14-86</b> A112416	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>14-87</b> A112417	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>14-88</b> A112418	Adhesive	Homogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
<b>14-89</b> A112419	Textured Ceiling	Heterogeneous White Non-fibrous Bound	5% 60% 35%	Paint Calc Carb Binder	None Detected
<b>14-90</b> A112420	Textured Ceiling	Heterogeneous White Non-fibrous Bound	5% 60% 35%	Paint Calc Carb Binder	None Detected

# ASBESTOS BULK ANALYSIS

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**Lab Code:** A207179  
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**Date Analyzed:** 06-10-20  
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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-91</b> Layer 1 A112421	Textured Ceiling	Heterogeneous	5%	Paint	None Detected
		White	60%	Calc Carb	
		Non-fibrous Bound	35%	Binder	
<b>14-91</b> Layer 2 A112421	Textured Ceiling	Heterogeneous	5%	Paint	<b>2% Chrysotile</b>
		Off-white	60%	Calc Carb	
		Non-fibrous Bound	33%	Binder	
<b>14-92</b> A112422	Ceramic Mortar	Homogeneous	20%	Silicates	None Detected
		White	80%	Binder	
		Non-fibrous Bound			
<b>14-93</b> A112423	Ceramic Mortar	Homogeneous	20%	Silicates	None Detected
		White	80%	Binder	
		Non-fibrous Bound			
<b>14-94</b> A112424	Ceramic Mortar	Homogeneous	20%	Silicates	None Detected
		White	80%	Binder	
		Non-fibrous Bound			
<b>14-95</b> A112425	Transite Siding	Heterogeneous	<1%	Paint	<b>15% Chrysotile</b>
		Gray,White	85%	Binder	
		Fibrous Tightly Bound			
<b>14-96</b> A112426	Transite Siding	Heterogeneous	<1%	Paint	<b>15% Chrysotile</b>
		Gray,White	85%	Binder	
		Fibrous Tightly Bound			

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**Project:** Building 14, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>14-97</b> A112427	Transite Siding	Heterogeneous Gray,White Fibrous Tightly Bound	<1% 85%	Paint Binder	<b>15% Chrysotile</b>
<b>14-98</b> A112428	Concrete Brick Mortar	Heterogeneous Gray Non-fibrous Bound	80% 20% <1%	Silicates Binder Paint	None Detected
<b>14-99</b> A112429	Concrete Brick Mortar	Homogeneous Gray Non-fibrous Bound	80% 20%	Silicates Binder	None Detected
<b>14-100</b> A112430	Concrete Brick Mortar	Heterogeneous Gray Non-fibrous Bound	80% 20% <1%	Silicates Binder Paint	None Detected

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**LEGEND:**    Non-Anth        = Non-Asbestiform Anthophyllite  
                 Non-Trem        = Non-Asbestiform Tremolite  
                 Calc Carb        = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

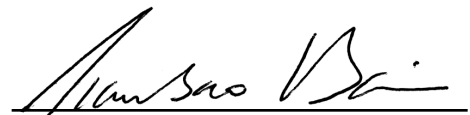
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_

  
Jessica Frampton

**APPROVED BY:** \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY: 100  
 CEI Lab Code: A107179  
 CEI Lab I.D. Range: A112331-A117430

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	<u>Ken Karuhn</u>
Company:	<u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:	
Address:	<u>600W. Van Buren Ste. 500</u>	Project Name:	<u>Building 14</u>
	<u>Chicago, IL 60607</u>	Project ID#:	<u>E161190057</u>
Email:	<u>K.Karuhn@CCAIntl.com</u>	PO #:	
Tel:	Fax:	STATE SAMPLES COLLECTED IN: <u>IL</u>	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5 9:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207179

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 14
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14-01	12"x12" FT Black Kitchen 1119	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
02	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
03	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
04	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
05	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
06	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
07	12"x12" FT White Kitchen 1119	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
08	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
09	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
10	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
11	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
12	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
13	12"x12" FT Beige	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
14	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
16	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
17	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
18	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
19	12"x12" FT Beige Matted 1121	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
20	↓	1123	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
21	↓	1123	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
22	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
23	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
24	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
25	12"x12" FT Beige Streak 1119		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
26	↓	1119	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
27	↓	1119	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207179

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 14
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
14-28	Mastic Assoc		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
30	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
31	FT Beige, 1121 second Fl	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
32	1121 Living Rm		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
33	1123 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
34	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
35	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
36	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
37	FT Beige, 1119 2 <sup>nd</sup> Fl	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
38	1119 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
39	1123 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
40	1121 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
41	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
42	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
43	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
44	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
45	FT Beige w/Pattern, 1119 2 <sup>nd</sup> Fl	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
46	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
47	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
48	Mastic Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
49	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
50	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
51	FT Brown, 1121 Living Rm	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
52	1121 2 <sup>nd</sup> Fl	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
53	1123 2 <sup>nd</sup> Fl	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
54	1119 2 <sup>nd</sup> Fl	L5	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM	TEM
14-55	Mastic Assoc		<input checked="" type="checkbox"/>	<input type="checkbox"/>
56	↓		<input type="checkbox"/>	<input type="checkbox"/>
57	↓		<input type="checkbox"/>	<input type="checkbox"/>
58	↓		<input type="checkbox"/>	<input type="checkbox"/>
59	stair Tread 1121		<input type="checkbox"/>	<input type="checkbox"/>
60	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
61	↓ 1119		<input type="checkbox"/>	<input type="checkbox"/>
62	Adhesive Assoc 1121		<input type="checkbox"/>	<input type="checkbox"/>
63	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
64	↓ 1119		<input type="checkbox"/>	<input type="checkbox"/>
65	Drywall/Joint 1119		<input type="checkbox"/>	<input type="checkbox"/>
66	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
67	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
68	Hard Elbow 1121		<input type="checkbox"/>	<input type="checkbox"/>
69	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
70	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
71	Textured Wall, 1119, Living Rm		<input type="checkbox"/>	<input type="checkbox"/>
72	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
73	↓ ↓		<input type="checkbox"/>	<input type="checkbox"/>
74	Canvas Vibration Damper 1119		<input type="checkbox"/>	<input type="checkbox"/>
75	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
76	↓ 1123		<input type="checkbox"/>	<input type="checkbox"/>
77	Duct Sealant 1121		<input type="checkbox"/>	<input type="checkbox"/>
78	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
79	↓ 1121		<input type="checkbox"/>	<input type="checkbox"/>
80	Exterior Brick Mortar		<input type="checkbox"/>	<input type="checkbox"/>
81	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>
82	↓		<input checked="" type="checkbox"/>	<input type="checkbox"/>



A207799

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 14
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
14-83	Concrete Brick Mortar 1121		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
84	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
85	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
86	Wall Adhesive 1119		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
87	↓ 1121		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
88	↓ 1123		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
89	Textured Ceiling 1119		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
90			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
91	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
92	Ceramic Mortar 1121, Kitchen		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
93	↓ 1123		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
94	↓ ↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
95	Transite Siding		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
96	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
97	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
98			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
99			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
100			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

MN 615

## **Vanessa Coppens**

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**From:** Nickolas Rouse  
**Sent:** Friday, June 5, 2020 1:34 PM  
**To:** Vanessa Coppens  
**Subject:** FW: Confirmation

**From:** Nickolas Rouse  
**Sent:** Friday, June 05, 2020 1:34 PM  
**To:** 'kkaruhn@calttd.com' <kkaruhn@calttd.com>  
**Subject:** Confirmation

Good Afternoon,

Thanks for the help earlier! This is written confirmation of our discussion earlier on project Building 14, E161190057. Per our phone call we will proceed as follows:

We will add the second set of samples labeled as 86/87/88 to the COC as samples 98/99/100.

Please reply at your earliest convenience to confirm. Let me know if there is anything else I can do for you, and thank you for choosing Eurofins CEI Labs.

Best Regards

**Nickolas Rouse**  
Laboratory Technician, Sample Receiving

Eurofins CEI  
730 SE Maynard Rd  
Cary, NC 27511  
USA

Phone: +1 919-481-1413

Fax: +1 919-481-1442  
E-mail: [NickolasRouse@eurofinsUs.com](mailto:NickolasRouse@eurofinsUs.com)  
[www.EurofinsUS.com/CEI](http://www.EurofinsUS.com/CEI)

June 10, 2020

Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**CLIENT PROJECT:** Building 15, E161190057  
**CEI LAB CODE:** A207180

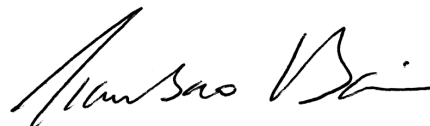
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 5, 2020. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Carnow, Conibear & Assoc., Ltd.**

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CLIENT PROJECT: Building 15, E161190057

LAB CODE: A207180

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/10/20

TOTAL SAMPLES ANALYZED: 105

# SAMPLES >1% ASBESTOS: 28

**PROJECT:** Building 15, E161190057

**LAB CODE:** A207180

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
15-01		A112431	Wood	Wood Floor Sheeting	None Detected
15-02		A112432	Wood	Wood Floor Sheeting	None Detected
15-03		A112433	Wood	Wood Floor Sheeting	None Detected
15-04		A112434	Clear	Adhesive	None Detected
15-05		A112435	Clear	Adhesive	None Detected
15-06		A112436	Clear	Adhesive	None Detected
15-07		A112437	Beige,Brown	Floor Tile	None Detected
15-08		A112438	Beige,Brown	Floor Tile	None Detected
15-09		A112439	Beige,Brown	Floor Tile	None Detected
15-10		A112440	Black	Mastic	<b>Chrysotile 5%</b>
15-11		A112441	Black	Mastic	<b>Chrysotile 5%</b>
15-12		A112442	Black	Mastic	<b>Chrysotile 5%</b>
15-13		A112443	Beige	Floor Tile	None Detected
15-14		A112444	Beige	Floor Tile	None Detected
15-15		A112445	Beige	Floor Tile	None Detected
15-16		A112446	Yellow	Mastic	None Detected
15-17		A112447	Yellow	Mastic	None Detected
15-18		A112448	Yellow	Mastic	None Detected
15-19		A112449	Blue	Blue Sheeting	None Detected
15-20		A112450	Blue	Blue Sheeting	None Detected
15-21		A112451	Blue	Blue Sheeting	None Detected
15-22		A112452	Clear	Adhesive	None Detected
15-23		A112453	Clear	Adhesive	None Detected
15-24		A112454	Clear	Adhesive	None Detected
15-25		A112455	Beige	Floor Tile	None Detected
15-26		A112456	Beige	Floor Tile	None Detected
15-27		A112457	Beige	Floor Tile	None Detected
15-28		A112458	Yellow	Mastic	None Detected
15-29		A112459	Black	Mastic	<b>Chrysotile 5%</b>
15-30		A112460	Beige	Mastic	None Detected
15-31		A112461	Gray	Leveling Compound	None Detected

**PROJECT:** Building 15, E161190057

**LAB CODE:** A207180

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
15-32		A112462	Gray	Leveling Compound	None Detected
15-33		A112463	Gray	Leveling Compound	None Detected
15-34		A112464	Beige	Floor Tile	None Detected
15-35		A112465	Beige	Floor Tile	None Detected
15-36		A112466	Beige	Floor Tile	None Detected
15-37	Layer 1	A112467	Yellow	Mastic	None Detected
	Layer 2	A112467	Black	Mastic	<b>Chrysotile 5%</b>
15-38	Layer 1	A112468	Yellow	Mastic	None Detected
	Layer 2	A112468	Black	Mastic	<b>Chrysotile 5%</b>
15-39	Layer 1	A112469	Yellow	Mastic	None Detected
	Layer 2	A112469	Black	Mastic	<b>Chrysotile 5%</b>
15-40		A112470	Beige	Floor Tile	None Detected
15-41		A112471	Beige	Floor Tile	None Detected
15-42		A112472	Beige	Floor Tile	None Detected
15-43		A112473	Yellow	Mastic	None Detected
15-44		A112474	Yellow	Mastic	None Detected
15-45		A112475	Yellow	Mastic	None Detected
15-46		A112476	Black	Black Floor Covering	<b>Chrysotile 5%</b>
15-47		A112477	Black	Black Floor Covering	<b>Chrysotile 5%</b>
15-48		A112478	Black	Black Floor Covering	<b>Chrysotile 5%</b>
15-49		A112479	Brown	Floor Tile	<b>Chrysotile 10%</b>
15-50		A112480	Brown	Floor Tile	<b>Chrysotile 10%</b>
15-51		A112481	Brown	Floor Tile	<b>Chrysotile 10%</b>
15-52		A112482	Black	Mastic	<b>Chrysotile 5%</b>
15-53		A112483	Black	Mastic	<b>Chrysotile 5%</b>
15-54		A112484	Black	Mastic	<b>Chrysotile 5%</b>
15-55		A112485	Brown	Stair Tread	None Detected
15-56		A112486	Brown	Stair Tread	None Detected
15-57		A112487	Brown	Stair Tread	None Detected
15-58		A112488	Yellow	Adhesive	None Detected
15-59		A112489	Yellow	Adhesive	None Detected

**PROJECT:** Building 15, E161190057

**LAB CODE:** A207180

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
15-60		A112490	Yellow	Adhesive	None Detected
15-61		A112491	White	Drywall/Joint Compound	None Detected
15-62		A112492	White	Drywall/Joint Compound	None Detected
15-63		A112493	White	Drywall/Joint Compound	None Detected
15-64		A112494	White	Textured Wall	None Detected
15-65		A112495	White	Textured Wall	None Detected
15-66		A112496	White	Textured Wall	None Detected
15-67		A112497	Gray	Sink Undercoating	None Detected
15-68		A112498	Gray	Sink Undercoating	None Detected
15-69		A112499	White	Sink Undercoating	None Detected
15-70		A112500	White	Wall Adhesive	None Detected
15-71		A112501	White	Wall Adhesive	None Detected
15-72		A112502	Clear	Wall Adhesive	None Detected
15-73		A112503	Brown	Duct Sealant	<b>Chrysotile 2%</b>
15-74		A112504	Brown	Duct Sealant	<b>Chrysotile 2%</b>
15-75		A112505	Brown	Duct Sealant	<b>Chrysotile 2%</b>
15-76		A112506	Silver,White	Canvas Vibration Dampener	<b>Chrysotile 50%</b>
15-77		A112507	Silver,White	Canvas Vibration Dampener	<b>Chrysotile 50%</b>
15-78		A112508	Silver,White	Canvas Vibration Dampener	<b>Chrysotile 50%</b>
15-79	Layer 1	A112509	Black	Tar	None Detected
	Layer 2	A112509	Yellow	Pipe Insulation	None Detected
15-80	Layer 1	A112510	Black	Tar	None Detected
	Layer 2	A112510	Yellow	Pipe Insulation	None Detected
15-81	Layer 1	A112511	Black	Tar	None Detected
	Layer 2	A112511	Yellow	Pipe Insulation	None Detected
15-82		A112512	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
15-83		A112513	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
15-84		A112514	White	Hard Elbow	<b>Amosite 2%</b> <b>Chrysotile &lt;1%</b>
15-85		A112515	White	Sink Caulk	None Detected

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Building 15, E161190057

**LAB CODE:** A207180

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
15-86		A112516	White	Sink Caulk	None Detected
15-87		A112517	White	Sink Caulk	None Detected
15-88		A112518	White	Ceramic Mortar	None Detected
15-89		A112519	White	Ceramic Mortar	None Detected
15-90		A112520	White	Ceramic Mortar	None Detected
15-91		A112521	White	Door Caulk	None Detected
15-92		A112522	White	Door Caulk	None Detected
15-93		A112523	White	Door Caulk	None Detected
15-94		A112524	Gray	Concrete Brick Mortar	None Detected
15-95		A112525	Gray	Concrete Brick Mortar	None Detected
15-96		A112526	Gray	Concrete Brick Mortar	None Detected
15-97		A112527	Red,Brown	Exterior Brick	None Detected
15-98		A112528	Red,Brown	Exterior Brick	None Detected
15-99		A112529	Red,Brown	Exterior Brick	None Detected
15-100		A112530	Gray	Exterior Brick Mortar	None Detected
15-101		A112531	Gray	Exterior Brick Mortar	None Detected
15-102		A112532	Gray	Exterior Brick Mortar	None Detected
15-103		A112533	White,Gray	Transite Siding	<b>Chrysotile 10%</b>
15-104		A112534	White,Gray	Transite Siding	<b>Chrysotile 10%</b>
15-105		A112535	White,Gray	Transite Siding	<b>Chrysotile 10%</b>





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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>15-01</b> A112431	Wood Floor Sheeting	Homogeneous Wood Fibrous Bound	<1%	Fiberglass	80% 20%	Vinyl Calc Carb	None Detected
<b>15-02</b> A112432	Wood Floor Sheeting	Homogeneous Wood Fibrous Bound	<1%	Fiberglass	80% 20%	Vinyl Calc Carb	None Detected
<b>15-03</b> A112433	Wood Floor Sheeting	Homogeneous Wood Fibrous Bound	<1%	Fiberglass	80% 20%	Vinyl Calc Carb	None Detected
<b>15-04</b> A112434	Adhesive	Homogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
<b>15-05</b> A112435	Adhesive	Homogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
<b>15-06</b> A112436	Adhesive	Homogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
<b>15-07</b> A112437	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound			80% 20%	Vinyl Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-08</b> A112438	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-09</b> A112439	Floor Tile	Homogeneous Beige,Brown Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-10</b> A112440	Mastic	Homogeneous Black Fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>15-11</b> A112441	Mastic	Homogeneous Black Fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>15-12</b> A112442	Mastic	Homogeneous Black Fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>15-13</b> A112443	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-14</b> A112444	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %			
			Fibrous	Non-Fibrous					
<b>15-15</b> A112445	Floor Tile	Homogeneous Beige Non-fibrous Bound	80%	Vinyl	20%	Calc Carb	None Detected		
<b>15-16</b> A112446	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic			None Detected		
<b>15-17</b> A112447	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic			None Detected		
<b>15-18</b> A112448	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic			None Detected		
<b>15-19</b> A112449	Blue Sheeting	Homogeneous Blue Fibrous Bound	<1%	Cellulose	90%	Vinyl	10%	Calc Carb	None Detected
<b>15-20</b> A112450	Blue Sheeting	Homogeneous Blue Fibrous Bound	<1%	Cellulose	90%	Vinyl	10%	Calc Carb	None Detected
<b>15-21</b> A112451	Blue Sheeting	Homogeneous Blue Fibrous Bound	<1%	Cellulose	90%	Vinyl	10%	Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-22</b> A112452	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>15-23</b> A112453	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>15-24</b> A112454	Adhesive	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
<b>15-25</b> A112455	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-26</b> A112456	Floor Tile	Homogeneous Beige Fibrous Bound	3% 77% 20%	Cellulose Vinyl Calc Carb	None Detected
<b>15-27</b> A112457	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-28</b> A112458	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-29</b> A112459	Mastic	Homogeneous Black Fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>15-30</b> A112460	Mastic	Homogeneous Beige Non-fibrous Bound	100%	Mastic	None Detected
<b>15-31</b> A112461	Leveling Compound	Homogeneous Gray Non-fibrous Bound	55% 10% 35%	Binder Silicates Calc Carb	None Detected
<b>15-32</b> A112462	Leveling Compound	Homogeneous Gray Non-fibrous Bound	55% 10% 35%	Binder Silicates Calc Carb	None Detected
<b>15-33</b> A112463	Leveling Compound	Homogeneous Gray Non-fibrous Bound	55% 10% 35%	Binder Silicates Calc Carb	None Detected
<b>15-34</b> A112464	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-35</b> A112465	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-36</b> A112466	Floor Tile	Homogeneous	80%	Vinyl	None Detected
		Beige Non-fibrous Bound	20%	Calc Carb	
<b>15-37</b> Layer 1 A112467	Mastic	Homogeneous	100%	Mastic	None Detected
		Yellow Non-fibrous Bound			
Layer 2 A112467	Mastic	Homogeneous	95%	Mastic	<b>5% Chrysotile</b>
		Black Fibrous Bound			
<b>15-38</b> Layer 1 A112468	Mastic	Homogeneous	100%	Mastic	None Detected
		Yellow Non-fibrous Bound			
Layer 2 A112468	Mastic	Homogeneous	95%	Mastic	<b>5% Chrysotile</b>
		Black Fibrous Bound			
<b>15-39</b> Layer 1 A112469	Mastic	Homogeneous	100%	Mastic	None Detected
		Yellow Non-fibrous Bound			
Layer 2 A112469	Mastic	Homogeneous	95%	Mastic	<b>5% Chrysotile</b>
		Black Fibrous Bound			

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-40</b> A112470	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-41</b> A112471	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-42</b> A112472	Floor Tile	Homogeneous Beige Non-fibrous Bound	80% 20%	Vinyl Calc Carb	None Detected
<b>15-43</b> A112473	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>15-44</b> A112474	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>15-45</b> A112475	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>15-46</b> A112476	Black Floor Covering	Homogeneous Black Fibrous Bound	90% 5%	Mastic Paint	<b>5% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-47</b> A112477	Black Floor Covering	Homogeneous Black Fibrous Bound	90% 5%	Mastic Paint	<b>5% Chrysotile</b>
<b>15-48</b> A112478	Black Floor Covering	Homogeneous Black Fibrous Bound	90% 5%	Mastic Paint	<b>5% Chrysotile</b>
<b>15-49</b> A112479	Floor Tile	Homogeneous Brown Fibrous Bound	70% 20%	Vinyl Calc Carb	<b>10% Chrysotile</b>
<b>15-50</b> A112480	Floor Tile	Homogeneous Brown Fibrous Bound	70% 20%	Vinyl Calc Carb	<b>10% Chrysotile</b>
<b>15-51</b> A112481	Floor Tile	Homogeneous Brown Fibrous Bound	70% 20%	Vinyl Calc Carb	<b>10% Chrysotile</b>
<b>15-52</b> A112482	Mastic	Homogeneous Black Fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>15-53</b> A112483	Mastic	Homogeneous Black Fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>



# ASBESTOS BULK ANALYSIS

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 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-54</b> A112484	Mastic	Homogeneous Black Fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>15-55</b> A112485	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>15-56</b> A112486	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>15-57</b> A112487	Stair Tread	Homogeneous Brown Non-fibrous Bound	100%	Vinyl	None Detected
<b>15-58</b> A112488	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>15-59</b> A112489	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
<b>15-60</b> A112490	Adhesive	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>15-61</b> A112491	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	10% <1%	Cellulose Fiberglass	5% 10% 75%	Paint Calc Carb Gypsum	None Detected
<b>15-62</b> A112492	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	10% <1%	Cellulose Fiberglass	5% 10% 75%	Paint Calc Carb Gypsum	None Detected
<b>15-63</b> A112493	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	10% <1%	Cellulose Fiberglass	5% 10% 75%	Paint Calc Carb Gypsum	None Detected
<b>15-64</b> A112494	Textured Wall	Heterogeneous White Fibrous Bound	2%	Wollastonite	10% 75% 13%	Paint Binder Perlite	None Detected
<b>15-65</b> A112495	Textured Wall	Heterogeneous White Fibrous Bound	2%	Wollastonite	10% 75% 13%	Paint Binder Perlite	None Detected
<b>15-66</b> A112496	Textured Wall	Heterogeneous White Non-fibrous Bound			35% 50% 15%	Binder Calc Carb Perlite	None Detected
<b>15-67</b> A112497	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>15-68</b> A112498	Sink Undercoating	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>15-69</b> A112499	Sink Undercoating	Homogeneous White Fibrous Bound	30%	Cellulose	70%	Mastic	None Detected
<b>15-70</b> A112500	Wall Adhesive	Homogeneous White Non-fibrous Bound			100%	Mastic	None Detected
<b>15-71</b> A112501	Wall Adhesive	Homogeneous White Non-fibrous Bound			100%	Mastic	None Detected
<b>15-72</b> A112502	Wall Adhesive	Homogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
<b>15-73</b> A112503	Duct Sealant	Homogeneous Brown Fibrous Bound			98%	Binder	<b>2% Chrysotile</b>
<b>15-74</b> A112504	Duct Sealant	Homogeneous Brown Fibrous Bound			98%	Binder	<b>2% Chrysotile</b>

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Carnow, Conibear & Assoc., Ltd.  
 600 W Van Buren St Ste 500  
 Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
<b>15-75</b> A112505	Duct Sealant	Homogeneous Brown Fibrous Bound	98%		Binder	<b>2% Chrysotile</b>
<b>15-76</b> A112506	Canvas Vibration Dampener	Homogeneous Silver,White Fibrous Loosely Bound	25%	Cellulose	<1% Paint	<b>50% Chrysotile</b>
<b>15-77</b> A112507	Canvas Vibration Dampener	Homogeneous Silver,White Fibrous Loosely Bound	25%	Cellulose	<1% Paint	<b>50% Chrysotile</b>
<b>15-78</b> A112508	Canvas Vibration Dampener	Homogeneous Silver,White Fibrous Loosely Bound	25%	Cellulose	<1% Paint	<b>50% Chrysotile</b>
<b>15-79</b> Layer 1 A112509	Tar	Homogeneous Black Non-fibrous Bound	100%		Tar	None Detected
Layer 2 A112509	Pipe Insulation	Homogeneous Yellow Fibrous Loose	100%	Fiberglass		None Detected
<b>15-80</b> Layer 1 A112510	Tar	Homogeneous Black Non-fibrous Bound	100%		Tar	None Detected

# ASBESTOS BULK ANALYSIS

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**Client:** Carnow, Conibear & Assoc., Ltd.  
600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %	
			Fibrous	Non-Fibrous		
Layer 2 A112510	Pipe Insulation	Homogeneous Yellow Fibrous Loose	100%	Fiberglass	None Detected	
<b>15-81</b> Layer 1 A112511	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected	
Layer 2 A112511	Pipe Insulation	Homogeneous Yellow Fibrous Loose	100%	Fiberglass	None Detected	
<b>15-82</b> A112512	Hard Elbow	Homogeneous White Fibrous Bound	3%	Fiberglass	55% Binder 40% Calc Carb	<b>2% Amosite</b> <b>&lt;1% Chrysotile</b>
<b>15-83</b> A112513	Hard Elbow	Homogeneous White Fibrous Bound	3%	Fiberglass	55% Binder 40% Calc Carb	<b>2% Amosite</b> <b>&lt;1% Chrysotile</b>
<b>15-84</b> A112514	Hard Elbow	Homogeneous White Fibrous Bound	3%	Fiberglass	55% Binder 40% Calc Carb	<b>2% Amosite</b> <b>&lt;1% Chrysotile</b>
<b>15-85</b> A112515	Sink Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected	

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**Lab Code:** A207180  
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**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-86</b> A112516	Sink Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
<b>15-87</b> A112517	Sink Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
<b>15-88</b> A112518	Ceramic Mortar	Homogeneous White Non-fibrous Bound	50% 50%	Binder Calc Carb	None Detected
<b>15-89</b> A112519	Ceramic Mortar	Homogeneous White Non-fibrous Bound	50% 50%	Binder Calc Carb	None Detected
<b>15-90</b> A112520	Ceramic Mortar	Homogeneous White Non-fibrous Bound	50% 50%	Binder Calc Carb	None Detected
<b>15-91</b> A112521	Door Caulk	Homogeneous White Non-fibrous Bound	98% 2%	Caulk Paint	None Detected
<b>15-92</b> A112522	Door Caulk	Homogeneous White Non-fibrous Bound	98% 2%	Caulk Paint	None Detected

# ASBESTOS BULK ANALYSIS

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 Chicago, IL 60607

**Lab Code:** A207180  
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**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-93</b> A112523	Door Caulk	Homogeneous White Non-fibrous Bound	98% 2%	Caulk Paint	None Detected
<b>15-94</b> A112524	Concrete Brick Mortar	Homogeneous Gray Non-fibrous Bound	25% 75%	Binder Silicates	None Detected
<b>15-95</b> A112525	Concrete Brick Mortar	Homogeneous Gray Non-fibrous Bound	25% 75%	Binder Silicates	None Detected
<b>15-96</b> A112526	Concrete Brick Mortar	Homogeneous Gray Non-fibrous Bound	25% 75%	Binder Silicates	None Detected
<b>15-97</b> A112527	Exterior Brick	Homogeneous Red,Brown Non-fibrous Tightly Bound	75% 25%	Binder Silicates	None Detected
<b>15-98</b> A112528	Exterior Brick	Homogeneous Red,Brown Non-fibrous Tightly Bound	75% 25%	Binder Silicates	None Detected
<b>15-99</b> A112529	Exterior Brick	Homogeneous Red,Brown Non-fibrous Tightly Bound	75% 25%	Binder Silicates	None Detected

# ASBESTOS BULK ANALYSIS

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600 W Van Buren St Ste 500  
Chicago, IL 60607

**Lab Code:** A207180  
**Date Received:** 06-05-20  
**Date Analyzed:** 06-09-20  
**Date Reported:** 06-10-20

**Project:** Building 15, E161190057

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>15-100</b> A112530	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	40%	Binder 60% Silicates	None Detected
<b>15-101</b> A112531	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	40%	Binder 60% Silicates	None Detected
<b>15-102</b> A112532	Exterior Brick Mortar	Homogeneous Gray Non-fibrous Bound	40%	Binder 60% Silicates	None Detected
<b>15-103</b> A112533	Transite Siding	Homogeneous White, Gray Fibrous Tightly Bound	5%	Paint 85% Binder	<b>10% Chrysotile</b>
<b>15-104</b> A112534	Transite Siding	Homogeneous White, Gray Fibrous Tightly Bound	5%	Paint 85% Binder	<b>10% Chrysotile</b>
<b>15-105</b> A112535	Transite Siding	Homogeneous White, Gray Fibrous Tightly Bound	5%	Paint 85% Binder	<b>10% Chrysotile</b>



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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*


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Information provided by customer includes customer sample ID and sample description.

**ANALYST:** \_\_\_\_\_

  
Greg Ruff

**APPROVED BY:** \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

# ASBESTOS CHAIN OF CUSTODY

**LAB USE ONLY:**  
 CEI Lab Code: A127180  
 CEI Lab I.D. Range: A12431-A12535

105

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	<u>Ken Karuhn</u>
Company:	<u>Carnow Conibear &amp; Associates Ltd</u>	Email / Tel:	
Address:	<u>600W. Van Buren Ste. 500</u>	Project Name:	<u>Building 15</u>
	<u>Chicago, IL 60607</u>	Project ID#:	<u>E161190057</u>
Email:	<u>KKaruhn@CCA1td.com</u>	PO #:	
Tel:	Fax:	STATE SAMPLES COLLECTED IN:	<u>IL</u>

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM G281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<u>Ken Karuhn</u>	<u>6-1-20</u>	<u>JB</u>	<u>6/5/20 7:20</u>

Samples will be disposed of 30 days after analysis

Page \_\_\_\_\_ of \_\_\_\_\_

A207180

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 15
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-01	Wood Floor Sheeting 113B, LR	L1	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-02	2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-03	LR	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-04	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-05	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-06	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-07	12"x12" FT Beige w/Brown Streaks 1125,	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-08	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-09	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-10	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-11	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-12	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-13	12"x12" FT Beige Streaked 1127	L1	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-14	1127	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-15	1125	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-16	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-17	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-18	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-19	Blue Sheeting 1131 <sup>Living Room</sup>	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-20	1131 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-21	1131 2 <sup>nd</sup> Fl	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-22	Adhesive Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-23	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-24	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-25	12x12 FT Beige 1127	L2	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-26	1127	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-27	1125	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207180

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 15
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-28	Mastic Assoc 1127	L-2	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-29	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-30	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-31	Leveling Compound 1131	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-32	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-33	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-34	FT Beige 1131 2 <sup>nd</sup> F	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-35	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-36	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-37	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-38	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-39	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-40	FT Beige 1131 LivingRm	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-41	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-42	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-43	Mastic Assoc	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-44	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-45	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-46	Black Floor Covering 1127	L4	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-47	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-48	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-49	FT Brown 1125	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-50	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-51	↓	↓	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-52	Mastic Assoc 1125	L3	PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-53	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-54	↓	↓	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A7207180

# ASBESTOS SAMPLING FORM



### COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name:	Building 15
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-55	Stair Tread 1125		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-56	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-57	↓ 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-58	Adhesive Assoc		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-59	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-60	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-61	Drywall/ Joint Compound 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-62	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-63	↓ 1125		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-64	Textured Wall 1125 2 <sup>nd</sup> Fl		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-65	↓ ↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-66	↓ ↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-67	Sink Under Coating 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-68	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-69	↓ 1125		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-70	Wall Adhesive, 1125, 2 <sup>nd</sup> Fl BATH Rm		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-71	↓ 1125 2 <sup>nd</sup> Fl BATH Rm		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-72	↓ 1125 Kitchen		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-73	Duct Sealant 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-74	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-75	↓ 1125		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-76	Canvas Vibration Dampner 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-77	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-78	↓ 1125		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-79	Black Tar on Fiberglass Pipe Insul 1125		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-80	↓ ↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-81	↓ ↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

A207100

# ASBESTOS SAMPLING FORM



COMPANY CONTACT INFORMATION	
Company: Carnow Conibear	Job Contact:
Project Name:	Building 15
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-82	Hard Elbow 1125		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-83	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-84	↓ 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-85	Sink Caulk 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-86	↓ 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-87	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-88	Ceramic Mortar 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-89	↓ 1127		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-90	↓ 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-91	Door Caulk 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-92	↓ 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-93	↓ 1131		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-94	Concrete Brick Mortar 1131 2nd Floor		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-95	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-96	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-97	Exterior Brick		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-98	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-99	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-100	Exterior Brick Mortar		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-101	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-102	↓		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-103	Transite Siding		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
15-104	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15-105	↓		PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

## **APPENDIX C**

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### Photographic Documentation



Photo 1: Multiple Layers of Flooring (typ.)



Photo 2: Drywall and Drywall Joint Compound





Photo 3: Black Tar on Fiberglass Insulation



Photo 4: Black Vinyl Vibration Damper



Photo 5: Brown Vinyl Stair Tread

4.5



Photo 6: Canvas Vibration Damper



Photo 7: Ceramic Tile Mortar



Photo 8: Door Caulk



Photo 9: Duct Sealant



Photo 10: Eave Caulk



Photo 11: Exterior Brick and Mortar (typ.)



Photo 12: Exterior Black Gas Pipe Caulk



Photo 13: Exterior Siding Caulk



Photo 14: Exterior Transite (behind Vinyl Siding)



Photo 15: Exterior Vent Caulk



Photo 16: Exterior Window Caulk



Photo 17: Flue Insulation



Photo 18: Pipe Fitting Insulation (Hard Elbow)





Photo 19: Paperwrap Pipe Insulation



Photo 20: Paper Duct Wrap



Photo 21: Grey Sink Undercoating



Photo 22: Textured Ceiling



Photo 23: Transite in Attic



Photo 24: Textured Wall



Photo 25: Exterior (typ.)