

# ASBESTOS SURVEY REPORT

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**100 5<sup>th</sup> Street South**  
**Brigantine, Atlantic County, NJ 08203**

**January 12, 2021**

**Prepared for:**

**City of Brigantine**  
**1417 West Brigantine Avenue**  
**Brigantine, NJ 08203**

**Prepared by:**

 **ACER**  
ASSOCIATES, LLC  
**1012 Industrial Drive**  
**West Berlin, New Jersey 08091**

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**ACER Project Number: 20202246**



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## **1.0 Introduction**

Acer Associates, LLC (ACER) has prepared this report to summarize the findings of the survey for asbestos containing building materials (ACBMs) at 100 5<sup>th</sup> Street South in Brigantine, Atlantic County, New Jersey. The survey was completed on December 1, 2020.

The intent of the survey was to locate, quantify, and assess the present condition of asbestos containing building materials (ACBMs) throughout the building prior to its demolition.

The asbestos survey was conducted in accordance with the requirements of Federal and New Jersey State regulations pertaining to asbestos, including OSHA (29 CFR 1910.1001 & 29 CFR 1926.1101), EPA (40 CFR Part 61), TSCA Title II AHERA/ASHARA (40 CFR Part 763), and N.J.A.C. 8:60 and 12:120. The findings in this report are consistent with accepted principles and practice established and prescribed by the USEPA and AHERA.

This report, and the supporting data, findings, conclusions, opinions, and the recommendations it contains, represents the result of ACER's efforts. This report is not an asbestos abatement specification and should not be used for specifying removal methods or techniques. The results, assessments, conclusions, and recommendations stated in this report are factually representative of the conditions observed at this location on the date of the survey. ACER cannot assume responsibility for any change in conditions that occurred after the survey.

END OF SECTION



## **2.0 Survey for Asbestos Containing Building Materials (ACBMs)**

ACER conducted this survey to locate, quantify, and assess the present condition of (ACBMs) at the site. Visual inspection and bulk sample collection were performed utilizing protocols and guidelines outlined in the United States Environmental Protection Agency (USEPA) document #560/5-85-024 - Guidance for Controlling Asbestos Containing Materials in Buildings, the EPA Asbestos Hazard Emergency Response Act (AHERA) of 1987, and the OSHA 1910.1101 Asbestos General Industry Standard (August 10, 1994). The facility was inspected physically, functional space by functional space, and homogeneous area by homogeneous area to determine the presence or absence of asbestos-containing materials. Please see the project limitations in Section 4.2 of this report for a comprehensive summary of the survey parameters.

The survey was characterized by close visual inspection of all accessible areas. Observations were made for friable and non-friable thermal surfacing and miscellaneous building materials. Suspected ACBMs were identified by visual inspection and bulk sampling in accordance with all applicable regulations and requirements. Materials were inventoried and examined for evidence of deterioration, damage and/or exposed friable material.

Random bulk material samples were collected of all suspected asbestos containing materials. Forty-eight (48) bulk samples were collected of the potential ACBMs. The bulk samples collected were placed in zip-lock bags, labeled with an identifying code, and logged onto survey logs. Representative samples of each sampling area were then submitted to the laboratory to be analyzed for asbestos content. Sampling included collection of samples of each suspect material chosen at representative locations as specified by USEPA and OSHA standards, regulations, and/or guidelines. However, due to the inconsistencies of installation contractor methods and other factors, materials of similar type may have varying quantities of asbestos.

The bulk samples were submitted to EMSL Analytical, Inc. (EMSL) of Cinnaminson, New Jersey. The samples were analyzed via polarized light microscopy (PLM), using the "Test Method - for the determination of Asbestos in Bulk Building Materials," EPA/600/R-93/116, July 1993. This is a standard method of analysis in optical mineralogy, and a definitive method for the determination of asbestos in bulk samples. PLM is the method required by the EPA for the analysis of asbestos bulk samples. EMSL is a participant in the National Voluntary Laboratory Accreditation Program (NVLAP) for the analysis of asbestos containing materials via PLM. Copies of the Asbestos Bulk Sample Survey Logs and Certificates of Analysis have been provided in Appendix A.

Due to the serious shortcomings with the PLM methodology in analyzing non-friable organically bound materials (NOBs), samples of floor tiles and roofing materials were analyzed via Transmission Electron Microscopy (TEM) analysis. In the state of New Jersey, N.J.A.C. 12:120



requires the analysis of all Category I Non-Friable organically bound materials via TEM when PLM results are 1% or less (including findings that a sample contains no asbestos). TEM is required for a more definitive analysis of non-friable organically bound materials. Therefore, additional analysis via TEM (TEM/NOB) was performed on 25 samples to confirm or deny the presence of asbestos.

END OF SECTION



### 3.0 FINDINGS OF THE INSPECTION

The following table provides a summary of ACER's field observations and laboratory findings for the survey completed. Materials containing greater than one percent (1%) asbestos are classified as asbestos containing. The table includes the materials sampled, their assigned homogeneous material locations, quantities, sample numbers, and analytical results.

The following tables summarize the building materials identified during the inspection.

Location	Material	HM ID	Sample #	Result
Heater Room	Flue Cement	1	Bulk-01	<1% Chrysotile
			Bulk-02	ND
Interior Dining Room	Black Mastic assoc. with Parque Floors	2	Bulk-03	ND
Dining Room			Bulk-04	ND
Dining Room	Drywall Behind Wood Paneling	3	Bulk-05	ND
Living Room			Bulk-06	ND
	Joint Compound		Bulk-06	4% Chrysotile
Dining Room Ceiling	White Plaster Above 1' x 1' Ceiling Tile	4	Bulk-07	ND
			Bulk-08	ND
			Bulk-09	ND
	Brown Mastic assoc. with 1' x 1' Ceiling Tile	5	Bulk-10	ND
			Bulk-11	ND
	White Textured 1' x 1' Ceiling Tile	6	Bulk-12	ND
Bulk-13			ND	
Kitchen Ceiling	Brown Mastic assoc. with 1' x 1' White Smooth Tile	7	Bulk-14	ND
			Bulk-15	ND
	White 1' x 1' Smooth Ceiling Tile	8	Bulk-16	ND
			Bulk-17	ND
Kitchen Floor	12" x 12" Marbled Tan Linoleum	9/10	Bulk-18	4% Chrysotile
	Linoleum Mastic		Bulk-18	ND
	Green Layer		Bulk-18	ND
	Mastic assoc. with Green Paper		Bulk-18	15% Chrysotile
	Underlayment		Bulk-18	ND
	12" x 12" Marbled Tan Linoleum		Bulk-19	ND
	Linoleum Mastic		Bulk-19	ND
	Green Layer		Bulk-19	ND
	Mastic assoc. with Green Paper		Bulk-19	ND
	Underlayment		Bulk-19	ND
Kitchen Wall	Tan Mastic assoc. with Plastic 5 x 5 Tiles	11	Bulk-20	ND
			Bulk-21	ND
Back Bedroom Ceiling	Tan 1' x 1' Ceiling Tile	12	Bulk-22	ND
			Bulk-23	ND
	Drywall & Tan Mastic assoc. Tan 1' x 1' Tile	13/14	Bulk-24	ND
			Bulk-25	ND
Back Bedroom/Garage Wall	Black Vapor Barrier	15	Bulk-26	ND
			Bulk-27	ND
Back Bedroom	Black Mastic assoc. with 4 x 4 Parque Floor	16	Bulk-28	ND
			Bulk-29	ND



Location	Material	HM ID	Sample #	Result
Garage	Drywall	17	Bulk-30	ND
			Bulk-31	ND
Middle Bedroom	Tan Speckled 1' x 1' Ceiling Tile	18	Bulk-32	ND
			Bulk-33	ND
Front Room	2' x 2' Textured White Ceiling Tile	19	Bulk-34	ND
			Bulk-35	ND
Garage	Joint Compound	20	Bulk-36	10% Chrysotile
			Bulk-37	ND
			Bulk-38	ND
Exterior Roof	Tan Shingles	21	Bulk-39	ND
			Bulk-40	ND
	Black with Tan Speck Shingles	22	Bulk-41	ND
			Bulk-42	ND
	Black Roofing Paper	23	Bulk-43	ND
			Bulk-44	ND
Bathroom	White with Gold Swirl 1' x 1' Ceiling Tile	24	Bulk-45	ND
	Mastic assoc. with White with Gold Swirl 1' x 1' Ceiling Tile	25	Bulk-45	ND
	White with Gold Swirl 1' x 1' Ceiling Tile	24	Bulk-46	ND
	Mastic assoc. with White with Gold Swirl 1' x 1' Ceiling Tile	25	Bulk-46	ND
Exterior	White Window Glazing	26	Bulk-47	ND
			Bulk-48	ND

ND = None Detected

END OF SECTION



## 4.0 Conclusions & Recommendations

### 4.1 Asbestos Containing Building Materials (ACBMs)

On December 1, 2020, ACER conducted an asbestos building survey of 100 5<sup>th</sup> Street in Brigantine, Atlantic County, New Jersey.

The purpose of the inspection was to locate, quantify, and assess the present condition of ACBMs at the property. ACER made their best effort during exploratory demolition to access areas of the structure that may have ACBMs. This included, but was not limited to, pipe chases, walls, ceilings, roofs, ducts, and other areas hidden from view.

The following table summarizes the building materials identified during the inspection to be ACBMs.

Material	Total Quantity
Joint Compound (House and Garage)	2,500 SF
12" x 12" Linoleum and associated layers	100 SF

In addition to the ACBMs (ie >1% asbestos) identified during the survey flue cement containing less than 1% asbestos was identified. The following table summarizes the location and quantity of the material.

Building	Material	Total Quantity
Heater Room	Flue Cement	2 SF

Due to the presence of asbestos in these building materials, the demolition contractor will need to comply with all of the requirements of the OSHA Asbestos Construction Standard (29 CFR 1926.1101).

### 4.2 Limitations

The inspection and sample procedures used to complete this survey are consistent with prevalent environmental and industrial hygiene standards for ACBMs. All reasonable efforts were made to identify the presence of ACBMs within the surveyed areas. Materials not identified in this report should be considered as not sampled.

END OF SECTION



## 5.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Prepared By:

Kristen Masotes  
Project Manager

Reviewed By:

Matt J. DePalma  
Vice President



## **6.0 Appendices**



## **Appendix A**

### **Asbestos Bulk Sample Survey Logs & Certificates of Analysis**

# ASBESTOS BULK SAMPLE SURVEY LOG

042030120

Client: City of Briggance

Project #: 20202246

Site: 100 5th St South

Date: 12-1-20

By: Brian Brill

Signature: *[Signature]*

RECEIVED  
EMSL  
CINNAMINSON, NJ

20 DEC 11 PM 8:18

Type of Analysis:

PLM

Turnaround Time:

24 hr

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
Heater Room	Flue Cement	G		1	Bulk-01	
Heater Room	Flue Cement	G		1	Bulk-02	
Interior Dining Room	Black mastic a/w wood parquet floor	G	124 SF	2	Bulk-03	
Dining Room	Black mastic a/w wood parquet floor	G	124 SF	2	Bulk-04	
Dining Room	Drywall behind wood paneling	G		3	Bulk-05	
<del>Dining Room</del> Living Room	Drywall behind wood paneling	G		3	Bulk-06	
Dining Room Ceiling	white plaster <sup>above</sup> <del>below</del> 1x1 ceiling tile	G	124 SF	4/5	Bulk-07	
Dining Room Ceiling	white plaster above 1x1 ceiling tile	G	124 SF	4/5	Bulk-08	
Dining Room Ceiling	white plaster above 1x1 ceiling tile	G	124 SF	4/5	Bulk-09	
Dining Room Ceiling	brown mastic a/w 1x1 ceiling tile	M	124 SF	5	Bulk-10	
Dining Room Ceiling	brown mastic a/w 1x1 <sup>ceiling</sup> tile	M	124 SF	5	Bulk-11	
<del>Kitchen</del> Dining Room Ceiling	white textured 1x1 ceiling tile	M	124 SF	6	Bulk-12	
Dining Room Ceiling	white textured 1x1 ceiling tile	M	124 SF	6	Bulk-13	
Kitchen Ceiling	Brown mastic a/w 1x1 white tile smooth	G	100 SF	7	Bulk-14	

COMMENTS: Stop at First Positive. Please Email Results.

Chain of Custody:

Released By: *[Signature]*

Date: 12-1-20

Time: 6:00

Received By: *[Signature]*

Date: 12/1/20

Time: 8:15pm

Page: 1 of 4

## ASBESTOS BULK SAMPLE SURVEY LOG

042030120

Client: City of BrigantineProject #: 20202246Site: 100 St St SouthDate: 12-1-20By: Brian BrullSignature: [Signature]RECEIVED  
EMSL  
CINNAMINSON, NJ

20 DEC 11 PM 8:18

Type of Analysis: PLMTurnaround Time: 24 hr

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
Kitchen ceiling	Brown mastic a/w 1x1 white smooth tile	G	100sf	7	Bulk-15	
Kitchen ceiling	white 1x1 smooth tile	G	100sf	8	Bulk-16	
kitchen ceiling	white 1x1 smooth tile	G	100sf	8	Bulk-17	
kitchen floor	12x12 marbled tan linoleum over black, red green paper	G	100sf	9/10	Bulk-18	
kitchen floor	12x12 marbled tan linoleum over black red green paper	G	100sf	9/10	Bulk-19	
kitchen wall	tan mastic a/w plastic 5x5 tile	G	80sf	11	Bulk-20	
kitchen wall	tan mastic a/w plastic 5x5 tile	G	80sf	11	Bulk-21	
Back Bedroom ceiling	tan 1x1 ceiling tile	G		12	Bulk-22	
Back Bedroom ceiling	tan 1x1 ceiling tile	G		12	Bulk-23	
Back Bedroom ceiling	drywall + tan mastic a/w tan 1x1 tile	G		13/14	Bulk-24	
Back Bedroom ceiling	drywall + tan mastic a/w tan 1x1 tile	G		13/14	Bulk-25	
Back Bedroom/garage wall	Black vapor barrier	P		15	Bulk-26	
Back Bedroom/garage wall	Black vapor barrier	P		15	Bulk-27	
Back Bedroom	Black mastic a/w 4x4 <sup>parquet</sup> floor	G		16	Bulk-28	

COMMENTS: Stop at First Positive. Please Email Results.

Chain of Custody:

Released By: [Signature]Date: 12-1-20Time: 6:00Received By: [Signature]

Date:

Time:

Page: 2 of 4

# ASBESTOS BULK SAMPLE SURVEY LOG

042030120

Client: City of Brigantine

Project #: 20202246

Site: 100 5th St South

Date: 12-1-20

By: Brian Bull

Signature: 

RECEIVED  
EN  
CINNAMINSON, NJ

Type of Analysis:

PLM

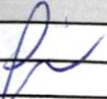
Turnaround Time:

24 hr

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
Back Bedroom	Black mastic w/ 4x4 pavers floor	G		16	Bulk-29	
Garage	Drywall	P		17	Bulk-30	
Garage	Drywall	P		17	Bulk-31	
Middle Bedroom	tan spotted 1x1 ceiling tile	M		18	Bulk-32	
Middle Bedroom	tan spotted 1x1 ceiling tile	M		18	Bulk-33	
front room	2x2 textured white ceiling tile	G		19	Bulk-34	
front room	2x2 textured white ceiling tile	G		19	Bulk-35	
garage	joint compound	G		20	Bulk-36	
garage	joint compound	G		20	Bulk-37	
garage	joint compound	G		20	Bulk-38	
Exterior roof	tan asphalt shingles	G		21	Bulk-39	
Exterior roof	tan shingle	G		21	Bulk-40	
Exterior roof	black w/ tan speck shingle	G		22	Bulk-41	
Exterior roof	black w/ tan speck shingle	G		22	Bulk-42	

COMMENTS: Stop at First Positive. Please Email Results.

Chain of Custody:

Released By: 

Date: 12-7-20

Time: 6:00

Received By:

Date:

Time:

Page: 3 of 4

# ASBESTOS BULK SAMPLE SURVEY LOG

Client: City of Bergen  
 Project #: 2020 2246  
 Site: 10054 52 St

Date: 12-1-20

By: R. B. R.

Signature: [Signature]

RECEIVED  
 EMSL  
 CINNAMINSON, NJ

04/2030120

Type of Analysis:

PLM

18:18

Turnaround Time:

24 hr

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
Exterior roof	Black roofing paper	G	12	23	Bulk-43	
Exterior roof	Black roofing paper	G		23	Bulk-44	
Bathroom	white w/ gold swirl 1x1 ceiling tile	G		24/25	Bulk-45	
Bathroom	white w/ gold swirl 1x1 ceiling tile	G		24/25	Bulk-46	
Exterior	White window glazing	M	60 LF	26	Bulk-47	
Exterior	White window glazing	M	60 LF	26	Bulk-48	

COMMENTS: Stop at First Positive. Please Email Results.

Chain of Custody:

Released By: [Signature]

Date: 12-1-20

Time: 6:00

Received By: [Signature]

Date:

Time:

Page: 4 of 4



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
 Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 042030120  
 Customer ID: ACER63  
 Customer PO:  
 Project ID:

**Attn:** Matt DePalma  
 ACER Associates, LLC  
 1012 Industrial Drive  
 West Berlin, NJ 08091

**Phone:** (856) 809-1202  
**Fax:** (856) 809-1203  
**Collected:** 12/ 1/2020  
**Received:** 12/11/2020  
**Analyzed:** 12/29/2020

**Proj:** City of Brigantine / 20202246 / 100 5th St. South

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** Bulk-01 **Lab Sample ID:** 042030120-0001

**Sample Description:** Heater Room/Flue Cement

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray/Tan	15.0%	85.0%	<1% Chrysotile	Some on-site surface contamination

**Client Sample ID:** Bulk-02 **Lab Sample ID:** 042030120-0002

**Sample Description:** Heater Room/Flue Cement

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	0.0%	100.0%	<1% Chrysotile	Some on-site surface contamination.

**Client Sample ID:** Bulk-03 **Lab Sample ID:** 042030120-0003

**Sample Description:** Interior Dining Room/Black Mastic a/w Wood Parquet Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	50.0%	50.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-04 **Lab Sample ID:** 042030120-0004

**Sample Description:** Dining Room/Black Mastic a/w Wood Parquet Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	40.0%	60.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-05 **Lab Sample ID:** 042030120-0005

**Sample Description:** Dining Room/Drywall Behind Wood Paneling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White/Green	18.0%	82.0%	None Detected	No joint compound

**Client Sample ID:** Bulk-06-Joint Compound **Lab Sample ID:** 042030120-0006

**Sample Description:** Living Room/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	0.0%	96.0%	4% Chrysotile	

**Client Sample ID:** Bulk-06-Drywall **Lab Sample ID:** 042030120-0006A

**Sample Description:** Living Room/Drywall Behind Wood Paneling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Gray	10.0%	90.0%	None Detected	



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
 Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 042030120  
 Customer ID: ACER63  
 Customer PO:  
 Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

<b>Client Sample ID:</b> Bulk-07		<b>Lab Sample ID:</b> 042030120-0007				
<b>Sample Description:</b> Dining Room Ceiling/White Plaster above 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Gray	20.0%	80.0%	None Detected	
<b>Client Sample ID:</b> Bulk-08		<b>Lab Sample ID:</b> 042030120-0008				
<b>Sample Description:</b> Dining Room Ceiling/White Plaster above 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Gray	20.0%	80.0%	None Detected	
<b>Client Sample ID:</b> Bulk-09		<b>Lab Sample ID:</b> 042030120-0009				
<b>Sample Description:</b> Dining Room Ceiling/White Plaster above 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Gray	15.0%	85.0%	None Detected	
<b>Client Sample ID:</b> Bulk-10		<b>Lab Sample ID:</b> 042030120-0010				
<b>Sample Description:</b> Dining Room Ceiling/Brown Mastic a/w 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown	90.0%	10.0%	None Detected	Mostly ceiling tile
<b>Client Sample ID:</b> Bulk-11		<b>Lab Sample ID:</b> 042030120-0011				
<b>Sample Description:</b> Dining Room Ceiling/Brown Mastic a/w 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown	85.0%	15.0%	None Detected	Mostly ceiling tile
TEM Grav. Reduction	12/29/2020	Brown	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-12		<b>Lab Sample ID:</b> 042030120-0012				
<b>Sample Description:</b> Dining Room Ceiling/White Textured 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	85.0%	15.0%	None Detected	
<b>Client Sample ID:</b> Bulk-13		<b>Lab Sample ID:</b> 042030120-0013				
<b>Sample Description:</b> Dining Room Ceiling/White Textured 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	85.0%	15.0%	None Detected	
<b>Client Sample ID:</b> Bulk-14		<b>Lab Sample ID:</b> 042030120-0014				
<b>Sample Description:</b> Kitchen Ceiling/Brown Mastic a/w 1x1 White Tile Smooth						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown	15.0%	85.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Brown	0.0%	100.0%	None Detected	



# EMSL Analytical, Inc.

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Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 042030120  
Customer ID: ACER63  
Customer PO:  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

<b>Client Sample ID:</b> Bulk-15		<b>Lab Sample ID:</b> 042030120-0015				
<b>Sample Description:</b> Kitchen Ceiling/Brown Mastic a/w 1x1 White Tile Smooth						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown	5.0%	95.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Brown	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-16		<b>Lab Sample ID:</b> 042030120-0016				
<b>Sample Description:</b> Kitchen Ceiling/White 1x1 Smooth Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	80.0%	20.0%	None Detected	
<b>Client Sample ID:</b> Bulk-17		<b>Lab Sample ID:</b> 042030120-0017				
<b>Sample Description:</b> Kitchen Ceiling/White 1x1 Smooth Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	70.0%	30.0%	None Detected	
<b>Client Sample ID:</b> Bulk-18-Tan Linoleum		<b>Lab Sample ID:</b> 042030120-0018				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray/Tan	0.0%	96.0%	4% Chrysotile	
<b>Client Sample ID:</b> Bulk-18-Tan Lino Mastic		<b>Lab Sample ID:</b> 042030120-0018A				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan/Yellow	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-18-Green Layer		<b>Lab Sample ID:</b> 042030120-0018B				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Green	90.0%	10.0%	None Detected	
<b>Client Sample ID:</b> Bulk-18-Green Layer Mastic		<b>Lab Sample ID:</b> 042030120-0018C				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Black	0.0%	85.0%	15% Chrysotile	
<b>Client Sample ID:</b> Bulk-18-Underlayment Paper		<b>Lab Sample ID:</b> 042030120-0018D				
<b>Sample Description:</b> Kitchen Floor/Underlayment						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Red/Black	90.0%	10.0%	None Detected	



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## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

<b>Client Sample ID:</b> Bulk-19-Tan Linoleum		<b>Lab Sample ID:</b> 042030120-0019				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020					Positive Stop (Not Analyzed)
<b>Client Sample ID:</b> Bulk-19-Tan Lino Mastic		<b>Lab Sample ID:</b> 042030120-0019A				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Yellow	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-19-Green Layer		<b>Lab Sample ID:</b> 042030120-0019B				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Green	40.0%	60.0%	None Detected	
<b>Client Sample ID:</b> Bulk-19-Green Layer Mastic		<b>Lab Sample ID:</b> 042030120-0019C				
<b>Sample Description:</b> Kitchen Floor/12x12 Marbled Tan Linoleum over Black, Red, Green Paper						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020					Positive Stop (Not Analyzed)
<b>Client Sample ID:</b> Bulk-19-Underlayment Paper		<b>Lab Sample ID:</b> 042030120-0019D				
<b>Sample Description:</b> Kitchen Floor/Underlayment						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Black	90.0%	10.0%	None Detected	
<b>Client Sample ID:</b> Bulk-20		<b>Lab Sample ID:</b> 042030120-0020				
<b>Sample Description:</b> Kitchen Wall/Tan Mastic a/w Plastic 5x5 Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	0.0%	100.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Tan	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-21		<b>Lab Sample ID:</b> 042030120-0021				
<b>Sample Description:</b> Kitchen Wall/Tan Mastic a/w Plastic 5x5 Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	5.0%	95.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Tan	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-22		<b>Lab Sample ID:</b> 042030120-0022				
<b>Sample Description:</b> Back Bedroom Ceiling/Tan 1x1 Ceiling Tile						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	80.0%	20.0%	None Detected	



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**Client Sample ID:** Bulk-23 **Lab Sample ID:** 042030120-0023  
**Sample Description:** Back Bedroom Ceiling/Tan 1x1 Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	90.0%	10.0%	None Detected	

**Client Sample ID:** Bulk-24-Drywall **Lab Sample ID:** 042030120-0024  
**Sample Description:** Back Bedroom Ceiling/Drywall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	20.0%	80.0%	None Detected	

**Client Sample ID:** Bulk-24-Mastic **Lab Sample ID:** 042030120-0024A  
**Sample Description:** Back Bedroom Ceiling/Tan Mastic a/w Tan 1x1 Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	5.0%	95.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Tan	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-25-Drywall **Lab Sample ID:** 042030120-0025  
**Sample Description:** Back Bedroom Ceiling/Drywall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	10.0%	90.0%	None Detected	

**Client Sample ID:** Bulk-25-Mastic **Lab Sample ID:** 042030120-0025A  
**Sample Description:** Back Bedroom Ceiling/Tan Mastic a/w Tan 1x1 Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	0.0%	100.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Tan	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-26 **Lab Sample ID:** 042030120-0026  
**Sample Description:** Back Bedroom/Garage Wall/Black Vapor Barrier

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	85.0%	15.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-27 **Lab Sample ID:** 042030120-0027  
**Sample Description:** Back Bedroom/Garage Wall/Black Vapor Barrier

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	70.0%	30.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	



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## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** Bulk-28 **Lab Sample ID:** 042030120-0028  
**Sample Description:** Back Bedroom/Black Mastic a/w 4x4 Parquet Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	30.0%	70.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-29 **Lab Sample ID:** 042030120-0029  
**Sample Description:** Back Bedroom/Black Mastic a/w 4x4 Parquet Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	60.0%	40.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-30 **Lab Sample ID:** 042030120-0030  
**Sample Description:** Garage/Drywall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Gray	10.0%	90.0%	None Detected	

**Client Sample ID:** Bulk-31 **Lab Sample ID:** 042030120-0031  
**Sample Description:** Garage/Drywall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Gray	10.0%	90.0%	None Detected	

**Client Sample ID:** Bulk-32 **Lab Sample ID:** 042030120-0032  
**Sample Description:** Middle Bedroom/Tan Spotted 1x1 Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	85.0%	15.0%	None Detected	

**Client Sample ID:** Bulk-33 **Lab Sample ID:** 042030120-0033  
**Sample Description:** Middle Bedroom/Tan Spotted 1x1 Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	90.0%	10.0%	None Detected	

**Client Sample ID:** Bulk-34 **Lab Sample ID:** 042030120-0034  
**Sample Description:** Front Room/2x2 Textured White Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	85.0%	15.0%	None Detected	

**Client Sample ID:** Bulk-35 **Lab Sample ID:** 042030120-0035  
**Sample Description:** Front Room/2x2 Textured White Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	90.0%	10.0%	None Detected	



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## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

<b>Client Sample ID:</b> Bulk-36		<b>Lab Sample ID:</b> 042030120-0036				
<b>Sample Description:</b> Garage/Joint Compound						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	0.0%	90.0%	10% Chrysotile	
<b>Client Sample ID:</b> Bulk-37		<b>Lab Sample ID:</b> 042030120-0037				
<b>Sample Description:</b> Garage/Joint Compound						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020				Positive Stop (Not Analyzed)	
<b>Client Sample ID:</b> Bulk-38		<b>Lab Sample ID:</b> 042030120-0038				
<b>Sample Description:</b> Garage/Joint Compound						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020				Positive Stop (Not Analyzed)	
<b>Client Sample ID:</b> Bulk-39		<b>Lab Sample ID:</b> 042030120-0039				
<b>Sample Description:</b> Exterior Roof/Tan Shingle						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan/Black	25.0%	75.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Tan/Black	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-40		<b>Lab Sample ID:</b> 042030120-0040				
<b>Sample Description:</b> Exterior Roof/Tan Shingle						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	20.0%	80.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-41		<b>Lab Sample ID:</b> 042030120-0041				
<b>Sample Description:</b> Exterior Roof/Black w/Tan Speck Shingle						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	20.0%	80.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-42		<b>Lab Sample ID:</b> 042030120-0042				
<b>Sample Description:</b> Exterior Roof/Black w/Tan Speck Shingle						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	20.0%	80.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	



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## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** Bulk-43 **Lab Sample ID:** 042030120-0043

**Sample Description:** Exterior Roof/Black Roofing Paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	70.0%	30.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-44 **Lab Sample ID:** 042030120-0044

**Sample Description:** Exterior Roof/Black Roofing Paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	85.0%	15.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-45-Ceiling **Lab Sample ID:** 042030120-0045

**Sample Description:** Bathroom/White w/Gold Swirl 1x1 Ceiling and Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	80.0%	20.0%	None Detected	

**Client Sample ID:** Bulk-45-Mastic **Lab Sample ID:** 042030120-0045A

**Sample Description:** Bathroom/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	17.0%	83.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-46-Ceiling **Lab Sample ID:** 042030120-0046

**Sample Description:** Bathroom/White w/Gold Swirl 1x1 Ceiling and Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/White	80.0%	20.0%	None Detected	

**Client Sample ID:** Bulk-46-Mastic **Lab Sample ID:** 042030120-0046A

**Sample Description:** Bathroom/Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	12.0%	88.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-47 **Lab Sample ID:** 042030120-0047

**Sample Description:** Exterior/White Window Glazing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray/White	0.0%	100.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Gray/White	0.0%	100.0%	None Detected	



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## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: Bulk-48

Lab Sample ID: 042030120-0048

Sample Description: Exterior/White Window Glazing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray/White	2.0%	98.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Gray/White	0.0%	100.0%	None Detected	

TEM EPA NOB: Note: 12/29/20: Additional TEM analysis performed as per client request

### Analyst(s):

Charles A. Johnson TEM Grav. Reduction (16)  
Jessica Cox PLM (31)  
Migena Shehu PLM (26)  
Ted Lam TEM Grav. Reduction (7)

### Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager  
or Other Approved Signatory

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Report amended: 12/30/2020 06:44:00 Replaces initial report from: 12/16/2020 00:23:42 Reason Code: Client-Additional Analysis