

# ASBESTOS SURVEY REPORT

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**301 Lafayette Place**  
**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 301 Lafayette Place 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-six (46) 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 fourteen (14) 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
1 <sup>st</sup> Floor Living Room	Drywall & assoc. Joint Compound	1/2	Bulk-01	ND
1 <sup>st</sup> Floor Kitchen			Bulk-02	ND
1 <sup>st</sup> Floor Hallway			Bulk-03	ND
Bathroom	Tan Linoleum	3	Bulk-04	ND
			Bulk-05	ND
Living Room	White Textured Ceiling	4	Bulk-06	ND
			Bulk-07	ND
			Bulk-08	ND
Kitchen	Black Mastic	5	Bulk-09	ND
			Bulk-10	ND
	Vapor Barrier - Black	6	Bulk-11	ND
			Bulk-12	ND
Living Room – Fireplace	Tan Wet Bed	7	Bulk-13	ND
			Bulk-14	ND
Heater Closet	Flue Cement	8	Bulk-15	ND
			Bulk-16	ND
Exterior Siding	Black Paper	9	Bulk-17	ND
			Bulk-18	ND
Living Room Fireplace	Grey Mortar assoc. with Red Brick	10	Bulk-19	ND
			Bulk-20	ND
	Tan Fire Brick & Mortar	11/12	Bulk-21	ND
			Bulk-22	ND
Exterior Windows	White Caulk	13	Bulk-23	ND
			Bulk-24	Not Submitted
Exterior Roof/Porch	Black with White Speck Shingle	14	Bulk-25	ND
			Bulk-26	ND
	Black Tar Paper	15	Bulk-27	ND
			Bulk-28	ND
Exterior Roof/Main Roof	Brown & Tan Shingle	16	Bulk-29	ND
			Bulk-30	ND
	Black Roofing Paper	17	Bulk-31	ND
			Bulk-32	ND
Exterior Roof/Main Roof Under Brown and Tan	Black with Tan & Brown Specks Shingles	18	Bulk-33	ND
			Bulk-34	ND
Exterior Shed/Roof	Black with Tan Speck Shingles	19	Bulk-35	ND
			Bulk-36	ND





Location	Material	HM ID	Sample #	Result
Exterior Shed/Roof Under Black with Tan Specks	Black & Grey Speck Shingles	20	Bulk-37	ND
			Bulk-38	ND
Shed Interior	Drywall & assoc. Joint Compound	21/22	Bulk-39	ND
			Bulk-40	ND
			Bulk-41	ND
Exterior Shed Roof	Black Roofing Paper	23	Bulk-42	ND
			Bulk-43	ND
Exterior	Tan Stucco with Red Base Coat	24/25	Bulk-44	ND
			Bulk-45	ND
			Bulk-46	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 301 Lafayette Place 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 analytical results for the bulk samples collected from the subject property identified all samples as none detected for asbestos content.

### **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

Client: City of Brighantine  
 Project #: 20202246  
 Site: 301 Lafayette

Date: 12-1-20By: Brian BrillSignature: [Signature]RECEIVED  
EMSL  
CINNAMARType of Analysis: PLMTurnaround Time: 24 h

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
1st floor living Room	Drywall + Associated Joint Compound	G	3,000 SF	1/2	BULK-01	
1st floor Kitchen	Drywall + Associated Joint Compound	G	3,000 SF	1/2	BULK-02	
1st floor Hallway	Drywall + Associated Joint Compound	G	3,000 SF	1/2	BULK-03	
Bathroom	Tan Linoleum	M	60 SF	3	BULK-04	
Bathroom	Tan Linoleum	M	60 SF	3	BULK-05	
Living Room	White textured ceiling	M	250 SF	4	BULK-06	
Living Room	White textured ceiling	M	250 SF	4	BULK-07	
Living Room	White textured ceiling	M	250 SF	4	BULK-08	
Kitchen	Black Mastic	M	80 SF	5	BULK-09	
kitchen	Black Mastic	M	80 SF	5	BULK-10	
kitchen	vapor barrier paper - Black	M	800 SF	6	BULK-11	
kitchen	vapor barrier paper - Black	M	800 SF	6	BULK-12	
Living Room - Fireplace	tan wet bed	G	20 SF	7	BULK-13	
Living Room - Fireplace	tan wet bed	G	20 SF	7	BULK-14	

COMMENTS: Stop at First Positive. Please Email Results.

Chain of Custody:

Released By: [Signature]Date: 12-11-20 Time: 6:00Received By: CPOBDate: 12/11/20 Time: 8:15pm

416

Page: 1 of 4



## ASBESTOS BULK SAMPLE SURVEY LOG

Client: City of BrigantineProject #: 20202246Site: 301 LafayetteDate: 12-1-20By: Brian BrillSignature: [Signature]RECEIVED  
EMERSON, NJ

Type of Analysis:

PLM

Turnaround Time:

24h

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
Heater Room Closet	Flue cement	G	1 SF	8	Bulk-15	
Heater closet	Flue cement	G	1 SF	8	Bulk-16	
Exterior siding	Black paper	M	1,200 SF	9	Bulk-17	
Exterior siding	Black paper	M	1,200 SF	9	Bulk-18	
Living Room - Fire Place	Gray mortar associated w/ Red Brick	G	26 SF	10	Bulk-19	
Living Room - Fire Place	Gray mortar a/w Red Brick	G	26 SF	10	Bulk-20	
Living Room - Fire Place	Tan Fire Brick + tan mortar	G	22 SF	11/12	Bulk-21	
Living Room - Fire Place	Tan Fire Brick + tan mortar	G	22 SF	11/12	Bulk-22	
Exterior - window	White caulk	M	80 LF	13	Bulk-23	
Exterior - windows	White caulk	M	80 LF	13	Bulk-24	
Exterior - Roof - Porch	Black w/white speck shingle	G	100 SF	14	Bulk-25	
Exterior - Roof - porch	Black w/white speck shingle	G	100 SF	14	Bulk-26	
Exterior - Roof - Porch	Black tar paper	G	100 SF	15	Bulk-27	
Exterior - Roof - Porch	Black tar paper	G	100 SF	15	Bulk-28	

COMMENTS: Stop at First Positive. Please Email Results.

Chain of Custody:

Released By: [Signature]Date: 12-11-20 Time: 6

Received By:

Date: Time:

Page: 2 of 4



# ASBESTOS BULK SAMPLE SURVEY LOG

Client: City of Brigantine  
 Project #: 20202246  
 Site: 301 Lafayette

Date: 12-1-20  
 By: Brian O'Neil  
 Signature: [Signature]

Type of Analysis: PLM

Turnaround Time: 24h

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
Exterior Roof - Main Roof	Brown + Tan Shingle	G	1200 sf	16	Bulk-29	
Exterior Roof - Main Roof	Brown + Tan Shingle	G	1200 sf	16	Bulk-30	
Exterior Roof - Main Roof	Black Roofing Paper w/ Brown + Tan Shingle	G	1200 sf	17	Bulk-31	
Exterior Roof - Main Roof	Black Roofing Paper w/ Brown + Tan Shingle	G	1200 sf	17	Bulk-32	
Exterior Roof - Main Roof <sup>under</sup> Brown + Tan	Black w/ tan + brown speck shingle	G	1200 sf	18	Bulk-33	
Exterior Roof - Main Roof <sup>under</sup> Brown + Tan	Black w/ tan + brown speck shingle	G	1200 sf	18	Bulk-34	
Exterior Shed Roof	Black w/ tan speck shingle	G	440 sf	19	Bulk-35	
Exterior Shed Roof	Black w/ tan speck shingle	G	440 sf	19	Bulk-36	
Exterior Shed Roof <sup>under</sup> Black w/ tan speck	Black w/ gray speck shingle	G	440 sf	20	Bulk-37	
Exterior Shed Roof <sup>under</sup> Black w/ tan speck	Black w/ gray speck shingle	G	440 sf	20	Bulk-38	
Shed interior	Drywall + associated joint compound	M	160 sf	21/22	Bulk-39	
Shed interior	Drywall + associated joint compound	M	160 sf	21/22	Bulk-40	
Shed interior	Drywall + associated joint compound	M	160 sf	21/22	Bulk-41	
Exterior Shed Roof	Black Roofing Paper w/ Black w/ gray speck	G	440 sf	23	Bulk-42	

COMMENTS: Stop at First Positive. Please Email Results.

Chain of Custody:

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

Page: 3 of 4



# ASBESTOS BULK SAMPLE SURVEY LOG

Client: City of BrigantineProject #: 20202246Site: 301 LafayetteDate: 12-1-20By: Brian BrilSignature: [Signature]RECEIVED  
EMSL  
CINNAMINSON, NJ

20 DEC 11 PM 8:18

042030121

Type of Analysis:

PLM

Turnaround Time:

24 hr

LOCATION	MATERIAL	COND G/M/P	QTY LF/SF	HM ID	SAMPLE #	RESULT (%)
Exterior shed Roof	Black roofing Paper w/ Black w/ gray speck	G	440 sf	23	Bulk-43	
Exterior	tan stucco w/ Red Base coat	G	120 sf	24/25	Bulk-44	
Exterior	tan stucco w/ Red Base coat	G	120 sf	24/25	Bulk-45	
Exterior	tan stucco w/ Red Base coat	G	120 sf	24/25	Bulk-46	

COMMENTS: **Stop at First Positive. Please Email Results.**

Chain of Custody:

Released By: [Signature]Date: 12-7-20Time: [Signature]Received By: [Signature]Date: 12-7-20Time: [Signature]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: 042030121  
 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 / 301 Lafayette

## 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-Drywall

**Lab Sample ID:** 042030121-0001

**Sample Description:** 1st Floor Living Room/Drywall

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

**Client Sample ID:** Bulk-01-Joint Compound

**Lab Sample ID:** 042030121-0001A

**Sample Description:** 1st Floor Living Room/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	0.0%	100.0%	None Detected	Inseparable paint / coating layer included in analysis.

**Client Sample ID:** Bulk-02-Drywall

**Lab Sample ID:** 042030121-0002

**Sample Description:** 1st Floor Kitchen/Drywall

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

**Client Sample ID:** Bulk-02-Joint Compound

**Lab Sample ID:** 042030121-0002A

**Sample Description:** 1st Floor Kitchen/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	0.0%	100.0%	None Detected	Inseparable paint / coating layer included in analysis.

**Client Sample ID:** Bulk-03-Drywall

**Lab Sample ID:** 042030121-0003

**Sample Description:** 1st Floor Hallway/Drywall

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

**Client Sample ID:** Bulk-03-Joint Compound

**Lab Sample ID:** 042030121-0003A

**Sample Description:** 1st Floor Hallway/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-04

**Lab Sample ID:** 042030121-0004

**Sample Description:** Bathroom/Tan Linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan/Beige	45.0%	55.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Tan	0.0%	100.0%	None Detected	



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<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 042030121  
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

**Client Sample ID:** Bulk-05 **Lab Sample ID:** 042030121-0005

**Sample Description:** Bathroom/Tan Linoleum

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	45.0%	55.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Tan	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-06 **Lab Sample ID:** 042030121-0006

**Sample Description:** Living Room/White Textured Ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-07 **Lab Sample ID:** 042030121-0007

**Sample Description:** Living Room/White Textured Ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	2.0%	98.0%	None Detected	

**Client Sample ID:** Bulk-08 **Lab Sample ID:** 042030121-0008

**Sample Description:** Living Room/White Textured Ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	4.0%	96.0%	None Detected	

**Client Sample ID:** Bulk-09 **Lab Sample ID:** 042030121-0009

**Sample Description:** Kitchen/Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	25.0%	75.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-10 **Lab Sample ID:** 042030121-0010

**Sample Description:** Kitchen/Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	10.0%	90.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-11 **Lab Sample ID:** 042030121-0011

**Sample Description:** Kitchen/Vapor Barrier Paper - Black

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



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EMSL Order ID: 042030121  
 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

**Client Sample ID:** Bulk-12 **Lab Sample ID:** 042030121-0012

**Sample Description:** Kitchen/Vapor Barrier Paper - Black

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

**Client Sample ID:** Bulk-13 **Lab Sample ID:** 042030121-0013

**Sample Description:** Living Room - Fireplace/Tan Wetbed

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-14 **Lab Sample ID:** 042030121-0014

**Sample Description:** Living Room - Fireplace/Tan Wetbed

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-15 **Lab Sample ID:** 042030121-0015

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

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-16 **Lab Sample ID:** 042030121-0016

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

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-17 **Lab Sample ID:** 042030121-0017

**Sample Description:** Exterior Siding/Black Paper

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

**Client Sample ID:** Bulk-18 **Lab Sample ID:** 042030121-0018

**Sample Description:** Exterior Siding/Black 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-19 **Lab Sample ID:** 042030121-0019

**Sample Description:** Living Room - Fireplace/Gray Mortar a/w Red Brick

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	0.0%	100.0%	None Detected	



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EMSL Order ID: 042030121  
 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-20			<b>Lab Sample ID:</b> 042030121-0020			
<b>Sample Description:</b> Living Room - Fireplace/Gray Mortar a/w Red Brick						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-21-Tan Fire Brick			<b>Lab Sample ID:</b> 042030121-0021			
<b>Sample Description:</b> Living Room - Fireplace/Tan Fire Brick and Tan Mortar						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Brown/Gray/Tan	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-21-Tan Mortar			<b>Lab Sample ID:</b> 042030121-0021A			
<b>Sample Description:</b> Living Room - Fireplace/Tan Fire Brick and Tan Mortar						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan/Beige	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-22			<b>Lab Sample ID:</b> 042030121-0022			
<b>Sample Description:</b> Living Room - Fireplace/Tan Fire Brick and Tan Mortar						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-23			<b>Lab Sample ID:</b> 042030121-0023			
<b>Sample Description:</b> Exterior - Windows/White Caulk						
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	
<b>Client Sample ID:</b> Bulk-24			<b>Lab Sample ID:</b> 042030121-0024			
<b>Sample Description:</b> Exterior - Windows/White Caulk						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020				Not Submitted	
<b>Client Sample ID:</b> Bulk-25			<b>Lab Sample ID:</b> 042030121-0025			
<b>Sample Description:</b> Exterior - Roof - Porch/Black w/White Speck Shingle						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	10.0%	90.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-26			<b>Lab Sample ID:</b> 042030121-0026			
<b>Sample Description:</b> Exterior - Roof - Porch/Black w/White Speck Shingle						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	0.0%	100.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	



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EMSL Order ID: 042030121  
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 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

**Client Sample ID:** Bulk-27 **Lab Sample ID:** 042030121-0027

**Sample Description:** Exterior - Roof - Porch/Black Tar Paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	65.0%	35.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-28 **Lab Sample ID:** 042030121-0028

**Sample Description:** Exterior - Roof - Porch/Black Tar 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-29 **Lab Sample ID:** 042030121-0029

**Sample Description:** Exterior - Roof - Main Roof/Brown and Tan Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	10.0%	90.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-30 **Lab Sample ID:** 042030121-0030

**Sample Description:** Exterior - Roof - Main Roof/Brown and Tan Shingle

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

**Client Sample ID:** Bulk-31 **Lab Sample ID:** 042030121-0031

**Sample Description:** Exterior - Roof - Main Roof/Black Roofing Paper a/w Brown Tan Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	65.0%	35.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-32 **Lab Sample ID:** 042030121-0032

**Sample Description:** Exterior - Roof - Main Roof/Black Roofing Paper a/w Brown Tan Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	35.0%	65.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-33 **Lab Sample ID:** 042030121-0033

**Sample Description:** Exterior - Roof - Main Roof/Black w/Tan and Brown Speck Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	12.0%	88.0%	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-34 **Lab Sample ID:** 042030121-0034

**Sample Description:** Exterior - Roof - Main Roof/Black w/Tan and Brown Speck Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	3.0%	97.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-35 **Lab Sample ID:** 042030121-0035

**Sample Description:** Exterior Shed Roof/Black w/Tan Speck Shingle

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

**Client Sample ID:** Bulk-36 **Lab Sample ID:** 042030121-0036

**Sample Description:** Exterior Shed Roof/Black w/Tan Speck Shingle

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

**Client Sample ID:** Bulk-37 **Lab Sample ID:** 042030121-0037

**Sample Description:** Exterior Shed Roof/Black w/Gray Speck Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray/Black	6.0%	94.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Gray/Black	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-38 **Lab Sample ID:** 042030121-0038

**Sample Description:** Exterior Shed Roof/Black w/Gray Speck Shingle

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

**Client Sample ID:** Bulk-39-Drywall **Lab Sample ID:** 042030121-0039

**Sample Description:** Shed Interior/Drywall

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

**Client Sample ID:** Bulk-39-Joint Compound **Lab Sample ID:** 042030121-0039A

**Sample Description:** Shed Interior/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	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

<b>Client Sample ID:</b> Bulk-40-Drywall			<b>Lab Sample ID:</b> 042030121-0040			
<b>Sample Description:</b> Shed Interior/Drywall						
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-40-Joint Compound			<b>Lab Sample ID:</b> 042030121-0040A			
<b>Sample Description:</b> Shed Interior/Joint Compound						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-41-Drywall			<b>Lab Sample ID:</b> 042030121-0041			
<b>Sample Description:</b> Shed Interior/Drywall						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Gray	10.0%	90.0%	None Detected	
<b>Client Sample ID:</b> Bulk-41-Joint Compound			<b>Lab Sample ID:</b> 042030121-0041A			
<b>Sample Description:</b> Shed Interior/Joint Compound						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	White	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-42			<b>Lab Sample ID:</b> 042030121-0042			
<b>Sample Description:</b> Exterior Shed Roof/Black Roofing Paper a/w Black w/Gray Speck						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Black	65.0%	35.0%	None Detected	
TEM Grav. Reduction	12/29/2020	Black	0.0%	100.0%	None Detected	
<b>Client Sample ID:</b> Bulk-43			<b>Lab Sample ID:</b> 042030121-0043			
<b>Sample Description:</b> Exterior Shed Roof/Black Roofing Paper a/w Black w/Gray Speck						
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	
<b>Client Sample ID:</b> Bulk-44-Stucco			<b>Lab Sample ID:</b> 042030121-0044			
<b>Sample Description:</b> Exterior/Tan Stucco						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	4.0%	96.0%	None Detected	
<b>Client Sample ID:</b> Bulk-44-Base Coat			<b>Lab Sample ID:</b> 042030121-0044A			
<b>Sample Description:</b> Exterior/Red Base Coat						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Red	2.0%	98.0%	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-45-Stucco

**Lab Sample ID:** 042030121-0045

**Sample Description:** Exterior/Tan Stucco

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Tan	5.0%	95.0%	None Detected	Result includes a small amount of inseparable attached material.

**Client Sample ID:** Bulk-45-Base Coat

**Lab Sample ID:** 042030121-0045A

**Sample Description:** Exterior/Red Base Coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Red	0.0%	100.0%	None Detected	

**Client Sample ID:** Bulk-46-Stucco

**Lab Sample ID:** 042030121-0046

**Sample Description:** Exterior/Tan Stucco

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

**Client Sample ID:** Bulk-46-Base Coat

**Lab Sample ID:** 042030121-0046A

**Sample Description:** Exterior/Red Base Coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	12/15/2020	Red	0.0%	100.0%	None Detected	

TEM EPA NOB: Note: 12/30/20: Additional TEM analysis performed as per client request

### Analyst(s):

Kleyvin Vaquero PLM (32)  
 Maye Yassin PLM (23)  
 Steven Li TEM Grav. Reduction (25)

### Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager  
 or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report amended: 12/30/2020 07:09:00 Replaces initial report from: 12/16/2020 08:50:13 Reason Code: Client-Additional Analysis