A2Z Environmental LLC

Asbestos License #73261---Asbestos Certification # 92-09664

P.O. Box 188
Pulaski, New York 13142
(315)527-8888

ASBESTOS BUILDING INSPECTION REPORT
PRE-DEMOLITION BUILDING SURVEY

PERFORMED FOR:

Greater Mohawk Valley Land Bank, Inc.

500 East Main Street - Suite 2A

Little Falls, New York 13365

PROJECT SITE:

Greater Mohawk Valley Land Bank, Inc.

102 Fort Stanwix Park

Rome , New York

1	2		2	0		1	8

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1.0 EXECUTIVE SUMMARY

A2Z Environmental llc. was retained by Greater Mohawk Valley Land Bank, Inc. to perform a limited pre-demolition building survey for asbestos containing materials (ACM). This is report is not to be used for design purposes. Measurements are for a guide and should be verified by abatement contractor. There may be areas that were inaccessible for the inspector to sample.

The survey was performed by Kyle Roberts , New York State certified building inspector (certificate Number 92-09664) for A2Z Environmental llc. and included the following:

Review of available building records for reference to ACM;
Visual inspection of the area to identify suspect ACM;
Collection of representative samples of suspect ACM;
Analysis of all samples by an independent, accredited laboratory;
Preparation of a written report.

Fieldwork for the survey was performed on 12-11-2018. Samples were delivered to EMSL Analytical INC. for polarized light microscopy (PLM) or (TEM) analysis on 12-14-2018 .The survey included the collection and analysis of 47 samples.

2.0 INTRODUCTION

The survey was performed at the request of Greater Mohawk Valley Land Bank, Inc. in preparation for possible ☐ demolition or ☒ renovation of the two family house located at 102 Fort Stanwix Park . The objective of the survey was to identify ACM within the space or the entire building so that appropriate considerations can be made prior to demolition of the building or renovation of the said space.

New York State Department of Labor Industrial Code Rule 56 (12NYCRR, Part 56) requires that prior to advertising for bids or contracting for or commencing work on any demolition work on a building, that the owner or agent of such building shall cause a survey for ACM to be conducted, and that identified ACM be removed by a licensed contractor prior to initiation of demolition activities. This survey was performed in accordance with these requirements.

3.0 BACKGROUND

There are many factors that must be considered when determining the extent of potential health risks associated with the presence of asbestos-containing materials (ACM) in buildings. The major concern is with the possibility of fiber release from the ACM and the subsequent inhalation of these fibers by building occupants.

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Asbestos is a known carcinogen found in many types of building materials, but its presence alone may not constitute a health hazard. Rather, a health hazard occurs when the asbestos fibers are in some way disturbed and become airborne. Asbestos fibers are most likely to be released into the air when the materials in which they are contained become loose, friable, or otherwise show signs of damage or deterioration by various causal agents.

Inhalation of these microscopic asbestos fibers has been medically proven to cause chronic disease such as asbestosis, mesothelioma and lung cancer. The severity of these diseases, along with the discovery of great amounts of asbestos in public and private buildings, has led government agencies to promulgate regulations aimed at reducing asbestos exposure. Maximum allowable exposure levels have been set for building occupants, and methods of compliance for removal and disposal of ACM have been instituted. Therefore, it is necessary to locate and identify all ACM within a building. Comprehensive data to this effect will allow for the implementation of a systematic asbestos abatement program.

4.0 METHODOLOGY

The bulk sampling procedure utilized by A2Z Environmental LLC. is designed to collect samples of materials suspected to contain asbestos. Each individual type of materials as delineated by color, texture, pattern and location will be referred to as a homogeneous sampling area. Each homogeneous area will be sampled and assessed independently of each other.

The procedure for collecting a bulk sample entails complete penetration and removal of all layers of the suspect material, while at the same time, minimizing damage and potential fiber release. The sampling procedure begins with complete wetting of the sampling area. A core section is then cut from the material and placed in a sealed, air-tight sample container. The exposed area is then sealed with spray adhesive and patched with duct tape when in an occupied space. The area where the core sample was removed is then labeled with a sample number to facilitate future reference. The sampling tool is then wet wiped and decontaminated with a disposable towel.

Each labeled sample is then transported along with a chain of custody form to a certified laboratory for analysis. Laboratory analysis of friable samples (materials which are able to be crushed or reduced to powder by hand pressure) is performed using Polarized Light Microscopy with Dispersion Staining in accordance with the EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA - 600/M4-82-020).

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Non-friable organically bound samples (NOBs) such as floor tile and roofing undergo gravimetric reduction and are then analyzed using (PLM) polarized light microscopy. Samples that test positive for asbestos are reported as such. Samples which test negative for asbestos (less than 1 % asbestos by weight) must be further analyzed by (TEM) transmission electron microscopy.

The testing laboratory is approved under the NYS Department of Health - Environmental Laboratory Approval Program (ELAP) as well as the National Institute of Standards and Technology - National Voluntary Laboratory Approval Program (NVLAP).

5.0 SUMMARY OF FINDINGS

There were no ☐ have ☒ have not, been reviewed as part of this effort. building records available at the time of the survey, therefore building records

The laboratory visually inspected for the presence of suspect ACM on 12 - 19 - 2018 & 12 - 20 - 2018

See Table 5.1 (starting on page 5) for a complete list of samples collected. If any additional suspect materials are discovered prior to or during demolition activities, then the material must be assumed to be asbestos-containing or must undergo Laboratory analysis in accordance with 29 CFR 191 0.1 1 01 to prove it non-asbestos.

** SEE APPENDIX B FOR LOCATIONS OF ACM **

It must be noted that the quantities of ACM provided on table 5.1 are estimates of the actual materials present that were available for inspection and assessment. These figures themselves should not be used as the sole basis for asbestos abatement contractors' bids or cost estimates. They are meant merely as estimates to gauge the scope of the project.

The purpose of the inspection was to determine the extent of asbestos-containing materials associated with the above referenced property only. New York State Department of Labor Regulations, 12 NYCRR Part 56, requires removal of all asbestos-containing materials from a building or structure prior to demolition or renovation activities.

Details concerning ACM location and quantity, sample locations, laboratory analysis, and consultant credentials are included in this report.

6.0 Responsibility of owner or owner agent

The owner or owners agent is required to send a copy of this report to the Department of Labor prior to any Asbestos Abatement. The address that the report needs to be sent to depends on the county that the property is located. The addresses for the different Department of Labor District offices are listed on page 4 of this report.

7.0 ASBESTOS CONTROL BUREAU DISTRICT OFFICES

ALBANY DISTRICT:

Counties - Albany, Clinton, Columbia, Dutchess, Essex, Fulton, Green, Montgomery, Orange, Putnam, Rockland, Rensselaer, Saratoga, Schenectady, Schoharie, Sullivan, Ulster, Warren, Washington

State Office Campus, Room 157, Albany, NY 12240
(518) 457-1255 (FAX) (518) 485-8054
(518) 457-2072 (FAX)(518) 485-8054 (Field Office)

BUFFALO DISTRICT:

Counties - Cattaraugus, Chautauqua, Erie, Genesee, Livingston, Monroe, Niagara, Ontario, Orleans, Wayne, Wyoming, Yates

65 Court Street, Rm. 405, Buffalo, NY 14202
(716) 847-7601 (716) 847-7126 (FAX) (716) 847-7138

NEW YORK CITY DISTRICT:

Counties - Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

One Hudson Square, 75 Varick Street (7th Floor), New York, NY 10013
(212) 775-3532

SYRACUSE DISTRICT:

Counties - Allegany, Broome, Cayuga, Chemung, Chenango, Cortland, Delaware, Franklin, Hamilton, Herkimer, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, Otsego, St. Lawrence, Schuyler, Seneca, Steuben, Tioga, Tompkins,

450 S. Salina Street, Syracuse, NY 13202
(315) 479-3215 (FAX) (315) 479-3333

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All remaining suspect ACM were analyzed at an independent, accredited laboratory. Table 5.1 summarizes the bulk sampling analytical results.

Table 5.1 - Asbestos Bulk Sample Summary of asbestos containing materials

Sample Number	Material Sampled	Condition	Lab Results (% Asbestos)	Estimated Quantity
05-3a	duct wrap - basement	fair	44.00% Chrysotile	40 lf see below
06-3b	duct wrap - basement	same as 05-3a	same as 05-3a	same as 05-3a
08-4b	plaster - 2nd floor bedroom - skim coat	n/a	0.50% Chrysotile	n/a
15-7c	9" x 9" vct (black) - 1st floor back entrance (tile)	damaged	1.80% Chrysotile	23 sq'
15-7c	9" x 9" vct (black) - 1st floor back entrance (glue)	n/a	<1.00% Chrysotile	n/a
16-7d	9" x 9" vct (black) - 1st floor back entrance (tile)	same as 15-7c tile	same as 15-7c tile	same as 15-7c tile
19-9a	plaster - 1st floor - living room - skim coat	n/a	0.50% Chrysotile	n/a
20-9b	plaster - 1st floor - bathroom - skim coat	n/a	0.25% Chrysotile	n/a
05-3a	about 25 sq' over the furnace			

Abatement contractor needs to visit the site to verify estimated quantity before bidding.

Laboratory reports are included as Appendix C to this report. Floor plan drawings identifying sample locations and locations of identified ACM are included as Appendix "B"

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Appendix A

Certification and License

New York State – Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

A 2 Z Environmental LLC

P.O. Box 188

Pulaski, NY 13142

FILE NUMBER: 13-73261
LICENSE NUMBER: 73261
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 10/10/2018
EXPIRATION DATE: 10/31/2019

Duly Authorized Representative – Jamie D Foster:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director
For the Commissioner of Labor

SH 432 (8/12)

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

N.Y.S

KYLE E ROBERTS
CLASS(EXPIRES)
A HAND(01/19) D INSP(01/19)

CEBT# 08-13240
DMV# 569886545

MUST BE CARRIED ON ASBESTOS PROJECTS

01213 004629685 10

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 808706

I –To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
KYLE ROBERTS	669 886 545	
Signature of Trainee	Telephone Number	Date of Birth[1]
K C R	315-527-5150	01-06-1986

Address: 124 WESTMORELAND ST. WHITESBORO, NY 13492
(Street or PO Box) (City) (State) (Zip Code)

II—To be completed by Training Sponsor

Provider's Name	Telephone Number
Cornerstone Training Institute	585-319-3625
Address: 460 State Street, 2nd Floor, Rochester, NY 14608 Zip Code	Course Location: 460 State Street, Rochester, NY 14608

Course Title: Inspector ☒ Initial ☐ Refresher | *NYS DOH use only* ☐ DOH Equivalency [2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 96% 3/28/18

Dates of Training: From: 3/26/18 To: 3/28/18 Expires: 3/28/19

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Kevin Hutton _____
(Print) (Signature)

STUDENT

DOH-2832 (10/03) [1] Optional Information [2] DOH Equivalency signed by NYS DOH representative only

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Appendix B

Floor Plan Drawings and Pictures

A2Z Environmental llc.

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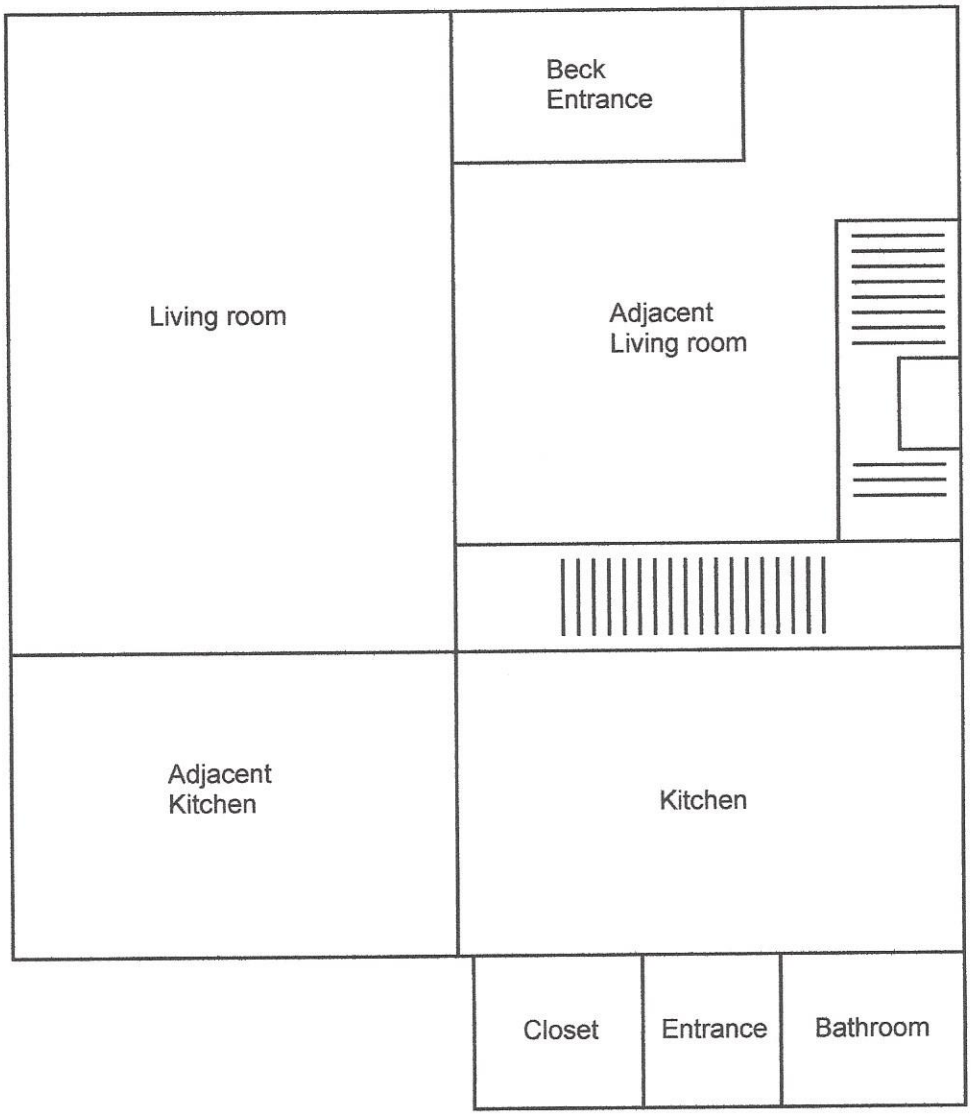
PO Box 188
Pulaski, New York 13142
(315)363-4525

APPENDIX "B"

1st Floor



NOT TO SCALE

All Asbestos shall be removed by an Asbestos Abatement Contractor

Building Survey For
Asbestos Containing Materials

102 Fort Stanwix Park
Rome , New York 13440

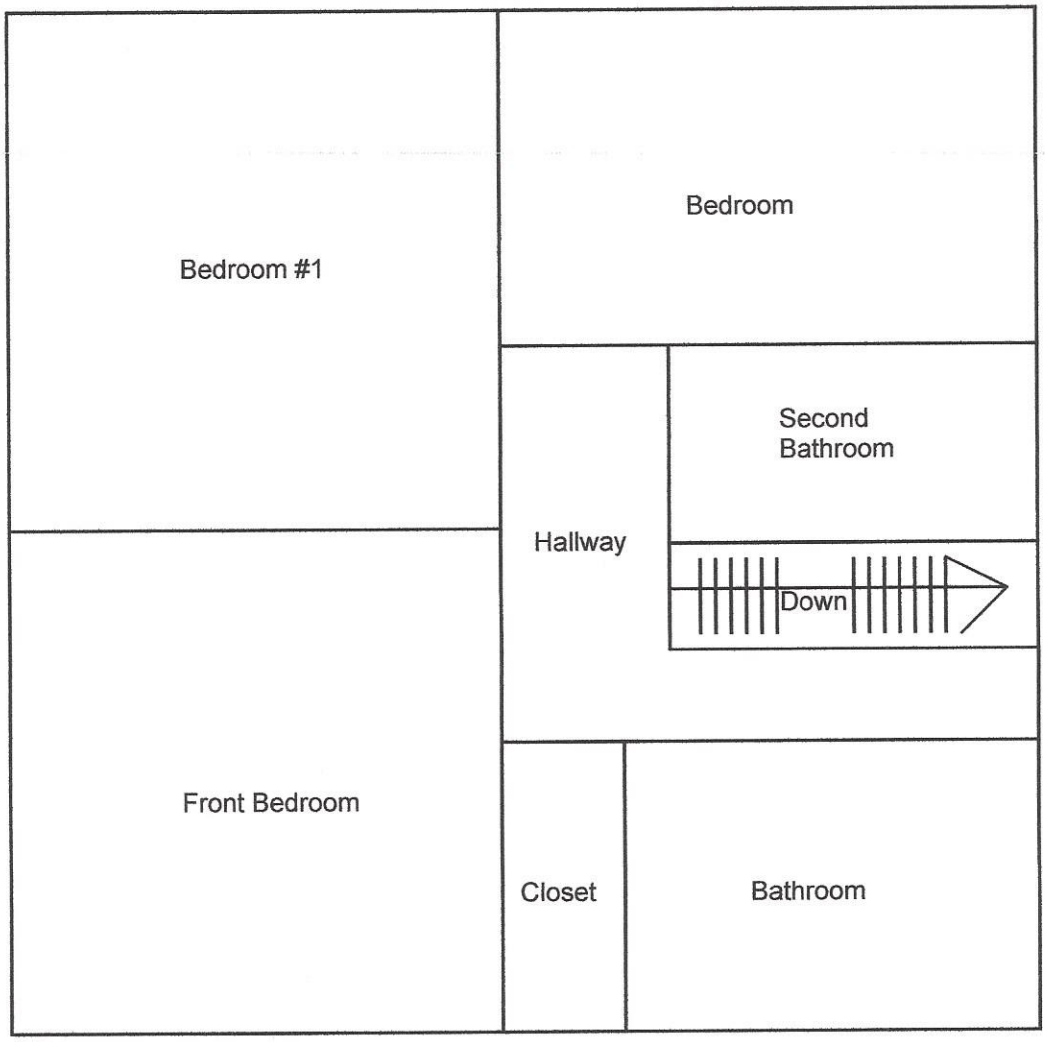
A2Z Environmental llc.

Asbestos License #73261---Asbestos Certification # 92-09664

PO Box 188
Pulaski, New York 13142
(315)363-4525

APPENDIX "B"

2nd Floor



NOT TO SCALE

All Asbestos shall be removed by an Asbestos Abatement Contractor

Building Survey For
Asbestos Containing Materials

102 Fort Stanwix Park
Rome , New York 13440

A2Z Environmental LLC

Asbestos License #73261---Asbestos Certification # 92-09664

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Pulaski, New York 13142
(315)527-8888

Appendix C

Laboratory Analysis Reports and Chain of Custody

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Attention: Jamie Foster
A2Z Environmental LLC.
PO Box 188
Pulaski, NY 13142

Phone: (315) 527-8888
Fax: (315) 363-4525
Received Date: 12/14/2018 1:30 PM
Analysis Date: 12/19/2018 - 12/20/2018
Collected Date: 12/11/2018

Project: A2Z1211018A/ 102 FORT STANWIX PARK, ROME

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 01-1A		**Description**	BASEMENT - INSULATION VAPOR BARRIER (YELLOW)		
031833572-0001		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown	85.00% Cellulose	15.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-1B		**Description**	BASEMENT - INSULATION VAPOR BARRIER (YELLOW)		
031833572-0002		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ Black	90.00% Cellulose	10.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 03-2A		**Description**	BASEMENT - INSULATION VAPOR BARRIER (PINK)		
031833572-0003		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown	85.00% Cellulose	15.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 04-2B		**Description**	BASEMENT - INSULATION VAPOR BARRIER (PINK)		
031833572-0004		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ Black	90.00% Cellulose 5.00% Min. Wool	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 05-3A		**Description**	BASEMENT - DUCT WRAP		
031833572-0005		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray	None	56.00% Non-fibrous (other)	**44.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 06-3B		**Description**	BASEMENT - DUCT WRAP		
031833572-0006		**Homogeneity**			
PLM NYS 198.1 Friable	12/19/2018				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 07-4A		**Description**	ATTIC STAIRWAY - PLASTER		
031833572-0007		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown		35.00% Gypsum 40.00% Non-fibrous (other) 25.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 08-4B-Skim Coat		**Description**	2ND FLOOR BEDROOM - PLASTER		
031833572-0008		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White	1.00% Fibrous (other)	40.00% Ca Carbonate 58.50% Non-fibrous (other)	**0.50% Anthophyllite**
The sample group is not homogeneous					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 08-4B-Rough Coat		**Description**	2ND FLOOR BEDROOM - PLASTER		
031833572-0008A		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray		30.00% Ca Carbonate 30.00% Non-fibrous (other) 40.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 09-5A		**Description**	ATTIC - BLOWN IN INSULATION		
031833572-0009		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray	89.00% Cellulose	11.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 10-5B		**Description**	ATTIC - BLOWN IN INSULATION		
031833572-0010		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown	90.00% Cellulose	10.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 11-6A		**Description**	1ST FLOOR ADJACENT TO KITCHEN - FLOOR - FELT PAPER		
031833572-0011		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown	85.00% Cellulose	15.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 12-6B		**Description**	1ST FLOOR ADJACENT TO KITCHEN - FLOOR - FELT PAPER		
031833572-0012		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ Black	90.00% Cellulose	10.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 13-7A		**Description**	1ST FLOOR BACK ENTRANCE - 9"X9" BLACK VCT - MASTIC		
031833572-0013		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Brown		100.00% Other	**None Detected**
Sample ID 14-7B		**Description**	1ST FLOOR BACK ENTRANCE - 9"X9" BLACK VCT - MASTIC		
031833572-0014		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Brown		100.00% Other	**None Detected**
Sample ID 15-7C		**Description**	1ST FLOOR BACK ENTRANCE - FLOOR - 9"X9" VCT (BLAC)		
031833572-0015		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Black	None	98.20% Other	**1.80% Chrysotile**
Sample ID 15-7C-Glue		**Description**	1ST FLOOR BACK ENTRANCE - FLOOR - 9"X9" VCT (BLAC)		
031833572-0015A		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Clear	None	100.00% Other	**<1.00% Chrysotile**

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos
Sample ID 16-7D		**Description**	1ST FLOOR BACK ENTRANCE - FLOOR - 9"X9" VCT (BLAC)		
031833572-0016		**Homogeneity**			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018				**Positive Stop (Not Analyzed)**
Sample ID 17-8A		**Description**	1ST FLOOR - KITCHEN - FLOOR - 12"X12" SELF STICK TILE (WHITE)		
031833572-0017		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	White		100.00% Other	**None Detected**
Sample ID 18-8B		**Description**	1ST FLOOR - FRONT ENTRANCE - FLOOR - 12"X12" SELF STICK TILE (WHITE)		
031833572-0018		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	White		100.00% Other	**None Detected**
Sample ID 19-9A-Skim Coat		**Description**	1ST FLOOR - LIVING ROOM - PLASTER		
031833572-0019		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White	1.00% Fibrous (other)	50.00% Ca Carbonate 48.50% Non-fibrous (other)	**0.50% Anthophyllite**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 19-9A-Rough Coat		**Description**	1ST FLOOR - LIVING ROOM - PLASTER		
031833572-0019A		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray		25.00% Ca Carbonate 40.00% Non-fibrous (other) 35.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 20-9B-Skim Coat		**Description**	1ST FLOOR - BATHROOM - PLASTER		
031833572-0020		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White	1.00% Fibrous (other)	40.00% Ca Carbonate 58.75% Non-fibrous (other)	**0.25% Anthophyllite**
The sample group is not homogeneous					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 20-9B-Rough Coat		**Description**	1ST FLOOR - BATHROOM - PLASTER		
031833572-0020A		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray	2.00% Cellulose	20.00% Ca Carbonate 38.00% Non-fibrous (other) 40.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 21-10A		**Description**	1ST FLOOR- KITCHEN - JOINT COMPOUND		
031833572-0021		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White		55.00% Ca Carbonate 45.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 22-10B		**Description**	1ST FLOOR- KITCHEN - JOINT COMPOUND		
031833572-0022		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White		40.00% Ca Carbonate 3.00% Mica 57.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 23-10C		**Description**	1ST FLOOR- KITCHEN - DRYWALL		
031833572-0023		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White	5.00% Cellulose	65.00% Gypsum 30.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 24-10D		**Description**	1ST FLOOR- KITCHEN - DRYWALL		
031833572-0024		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ White	5.00% Cellulose 1.00% Glass	50.00% Gypsum 44.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 25-11A		**Description**	1ST FLOOR - BATHROOM - MASTIC (BROWN)		
031833572-0025		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Beige		100.00% Other	**None Detected**

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EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos
Sample ID 26-11B		**Description**	1ST FLOOR - BATHROOM - MASTIC (BROWN)		
031833572-0026		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Tan/ Beige		100.00% Other	**None Detected**
Sample ID 27-12A		**Description**	1ST FLOOR - BATHROOM - SINK - CAULK (WHITE)		
031833572-0027		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Gray/ White		100.00% Other	**None Detected**
Sample ID 28-12B		**Description**	1ST FLOOR - BATHROOM - SINK - CAULK (WHITE)		
031833572-0028		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	White		100.00% Other	**None Detected**
Sample ID 29-13A		**Description**	1ST FLOOR - BATHROOM - GROUT		
031833572-0029		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Brown		100.00% Other	**None Detected**
Sample ID 30-13B		**Description**	1ST FLOOR - BATHROOM - GROUT		
031833572-0030		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Brown		100.00% Other	**None Detected**
Sample ID 31-14A		**Description**	2ND FLOOR BATHROOM - FLOOR - GROUT (TAN)		
031833572-0031		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown		25.00% Ca Carbonate 30.00% Non-fibrous (other) 45.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
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http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 32-14B		**Description**	2ND FLOOR BATHROOM - FLOOR - GROUT (TAN)		
031833572-0032		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Tan		20.00% Ca Carbonate 40.00% Non-fibrous (other) 40.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 33-15A		**Description**	2ND FLOOR BATHROOM - WALL TILE - GROUT (WHITE)		
031833572-0033		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/20/2018	White		100.00% Other	**None Detected**
Sample ID 34-15B		**Description**	2ND FLOOR BATHROOM - WALL TILE - GROUT (WHITE)		
031833572-0034		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/20/2018	Tan		100.00% Other	**None Detected**
Sample ID 35-16A		**Description**	2ND FLOOR BATHROOM - SHOWER WALL - MASTIC (TAN)		
031833572-0035		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Tan/ Purple		100.00% Other	**None Detected**
Sample ID 36-19B		**Description**	2ND FLOOR BATHROOM - SHOWER WALL - MASTIC (TAN)		
031833572-0036		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Tan/ Purple		100.00% Other	**None Detected**
Sample ID 37-17A		**Description**	2ND FLOOR BATHROOM - UNDER SUB-FLOOR - 12"X12" SELF STICK TILE		
031833572-0037		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Various		100.00% Other	**None Detected**

Initial Report From: 12/20/2018 12:38:42

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EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos
Sample ID 38-17B		**Description**	2ND FLOOR BATHROOM - UNDER SUB-FLOOR - 12"X12" SELF STICK TILE		
031833572-0038		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Various		100.00% Other	**None Detected**
Sample ID 38-17B-Glue		**Description**	2ND FLOOR BATHROOM - UNDER SUB-FLOOR - 12"X12" SELF STICK TILE		
031833572-0038A		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB	12/19/2018	Tan		100.00% Other	**None Detected**
Sample ID 39-18A		**Description**	2ND FLOOR BACK BEDROOM - JOINT COMPOUND		
031833572-0039		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 40-18B		**Description**	2ND FLOOR BACK BEDROOM - JOINT COMPOUND		
031833572-0040		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray		40.00% Ca Carbonate 60.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 41-18C		**Description**	2ND FLOOR BACK BEDROOM - 2ND FLOOR BACK BEDROOM		
031833572-0041		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray	6.00% Cellulose	65.00% Gypsum 29.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 42-18D		**Description**	2ND FLOOR BACK BEDROOM - 2ND FLOOR BACK BEDROOM		
031833572-0042		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ Gray	5.00% Cellulose	50.00% Gypsum 45.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order:	031833572
Customer ID:	AZCC25
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	12/14/2018	Sample Receipt Time:	1:30 PM
Analysis Completed Date:	12/19/2018	Analysis Completed Time:	3:47 PM

Analyst(s):

Jessica Cox PLM NYS 198.1 Friable (14)

Krystal Harris PLM NYS 198.1 Friable (12)

Isaac Mendez TEM NYS 198.4 NOB (2)

Muhsin Parson TEM NYS 198.4 NOB (2)

Venisha Lazarus-Barnes TEM NYS 198.4 NOB (15)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http ://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government . This report may contain data that is not covered by the NVLAP accreditation .

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 12/20/2018 12:38:42

OrderID: 031833572

A2Z Environmental llc.

P.O. Box 188
Pulaski, New York 13142
(315)527-8888

Chain of Custody Form

031833572

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 1 of 3

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
01-1a	insulation vapor barrier (yellow)	basement	NOB	tem
02-1b	insulation vapor barrier (yellow)	basement	NOB	tem
03-2a	insulation vapor barrier (pink)	basement	NOB	tem
04-2b	insulation vapor barrier (pink)	basement	NOB	tem
05-3a	duct wrap	basement	f	plm
06-3b	duct wrap	basement	f	plm
07-4a	plaster	attic stairway	f	plm
08-4b	plaster	2nd floor bedroom	f	plm
09-5a	blown in insulation	attic	f	plm
10-5b	blown in insulation	attic	f	plm
11-6a	felt paper	1st floor adjacent to kitchen - floor	NOB	tem
12-6b	felt paper	1st floor adjacent to kitchen - floor	NOB	tem
13-7a	mastic	1st floor back entrance -9" x 9" black vct	NOB	tem
14-7b	mastic	1st floor back entrance -9" x 9" black vct	NOB	tem
15-7c	9" x 9" vct (black)	1st floor back entrance - floor	NOB	tem
16-7d	9" x 9" vct (black)	1st floor back entrance - floor	NOB	tem
17-8a	12" x 12" self stick tile (white)	1st floor - kitchen - floor	NOB	tem
18-8b	12" x 12" self stick tile (white)	1st floor - front entrance - floor	NOB	tem
19-9a	plaster	1st floor - living room	f	plm
20-9b	plaster	1st floor - bathroom	f	plm

RECEIVED 18 DEC 14 PM 1:30 EMSL ANALYTICAL

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: KYLE ROBERTS Date: 12-11-2018

Relinquished By: KYLE ROBERTS Date: 12-13-2018

Received by Lab: [signature] Date: 12/14/18 1:30 PM

IM Dean 12-19-18

OrderID: 031833572

A2Z Environmental llc.

P.O. Box 188
Pulaski. New York 13142
(315)527-8888

Chain of Custody Form

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 2 of 3

031833572

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
21-10a	joint compound	1st floor - kitchen	f	plm
22-10b	joint compound	1st floor - kitchen	f	plm
23-10c	drywall	1st floor - kitchen	f	plm
24-10d	drywall	1st floor - kitchen	f	plm
25-11a	mastic (brown)	1st floor - bathroom	NOB	tem
26-11b	mastic (brown)	1st floor - bathroom	NOB	tem
27-12a	caulk (white)	1st floor - bathroom - sink	NOB	tem
28-12b	caulk (white)	1st floor - bathroom - sink	NOB	tem
29-13a	grout	1st floor - bathroom	f	plm
30-13b	grout	1st floor - bathroom	f	plm
31-14a	grout (tan)	2nd floor bathroom - floor	f	plm
32-14b	grout (tan)	2nd floor bathroom - floor	f	plm
33-15a	grout (white)	2nd floor bathroom - wall tile	f	plm
34-15b	grout (white)	2nd floor bathroom - wall tile	f	plm
35-16a	mastic (tan)	2nd floor bathroom - shower wall	NOB	tem
36-16b	mastic (tan)	2nd floor bathroom - shower wall	NOB	tem
37-17a	12" x 12" self stick tile	2nd floor bathroom - under sub-floor	NOB	tem
38-17b	12" x 12" self stick tile	2nd floor bathroom - under sub-floor	NOB	tem
39-18a	joint compound	2nd floor back bedroom	f	plm
40-18b	joint compound	2nd floor back bedroom	f	plm

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: _____ Date: 12-11-2018

Relinquished By: _____ Date: _____ SEE PG 1

Recieved by Lab: [signature] Date: 12/14/18 1:30 PM

[signature] 12-13-18

OrderID: 031833572

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Pulaski, New York 13142
(315)527-8888

Chain of Custody Form

031833572

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 3 of 3

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
41-18c	drywall	2nd floor back bedroom	f	plm
42-18d	drywall	2nd floor back bedroom	f	plm

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: _____ Date: 12-11-2018

Relinquished By: _____ Date: _____ SEE Pg.1

Recieved by Lab: [signature] Date: 12/14/18 1:30 PM

[signature] 12-19-18

OrderID: 031833572
OrderID: 031833572

A2Z Environmental llc.

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Chain of Custody Form

031833572

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 1 of 3

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
01-1a	insulation vapor barrier (yellow)	basement	NOB	tem
02-1b	insulation vapor barrier (yellow)	basement	NOB	tem
03-2a	insulation vapor barrier (pink)	basement	NOB	tem
04-2b	insulation vapor barrier (pink)	basement	NOB	tem
05-3a	duct wrap	basement	f	plm
06-3b	duct wrap	basement	f	plm
07-4a	plaster	attic stairway	f	plm
08-4b	plaster	2nd floor bedroom	f	plm
09-5a	blown in insulation	attic	f	plm
10-5b	blown in insulation	attic	f	plm
11-6a	felt paper	1st floor adjacent to kitchen - floor	NOB	tem
12-6b	felt paper	1st floor adjacent to kitchen - floor	NOB	tem
13-7a	mastic	1st floor back entrance -9" x 9" black vct	NOB	tem
14-7b	mastic	1st floor back entrance -9" x 9" black vct	NOB	tem
15-7c	9" x 9" vct (black)	1st floor back entrance - floor	NOB	tem
16-7d	9" x 9" vct (black)	1st floor back entrance - floor	NOB	tem
17-8a	12" x 12" self stick tile (white)	1st floor - kitchen - floor	NOB	tem
18-8b	12" x 12" self stick tile (white)	1st floor - front entrance - floor	NOB	tem
19-9a	plaster	1st floor - living room	f	plm
20-9b	plaster	1st floor - bathroom	f	plm

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Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: KYLE ROBERTS Date: 12-11-2018

Relinquished By: KYLE ROBERTS Date: 12-13-2018

Received by Lab: [signature] Date: 12/14/18 1:30 PM

12/20/18 6:40 AM

OrderID: 031833572

A2Z Environmental llc.

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Chain of Custody Form

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 2 of 3

031833572

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
21-10a	joint compound	1st floor - kitchen	f	plm
22-10b	joint compound	1st floor - kitchen	f	plm
23-10c	drywall	1st floor - kitchen	f	plm
24-10d	drywall	1st floor - kitchen	f	plm
25-11a	mastic (brown)	1st floor - bathroom	NOB	tem
26-11b	mastic (brown)	1st floor - bathroom	NOB	tem
27-12a	caulk (white)	1st floor - bathroom - sink	NOB	tem
28-12b	caulk (white)	1st floor - bathroom - sink	NOB	tem
29-13a	grout	1st floor - bathroom	f	plm
30-13b	grout	1st floor - bathroom	f	plm
31-14a	grout (tan)	2nd floor bathroom - floor	f	plm
32-14b	grout (tan)	2nd floor bathroom - floor	f	plm
33-15a	grout (white)	2nd floor bathroom - wall tile	f	plm
34-15b	grout (white)	2nd floor bathroom - wall tile	f	plm
35-16a	mastic (tan)	2nd floor bathroom - shower wall	NOB	tem
36-16b	mastic (tan)	2nd floor bathroom - shower wall	NOB	tem
37-17a	12" x 12" self stick tile	2nd floor bathroom - under sub-floor	NOB	tem
38-17b	12" x 12" self stick tile	2nd floor bathroom - under sub-floor	NOB	tem
39-18a	joint compound	2nd floor back bedroom	f	plm
40-18b	joint compound	2nd floor back bedroom	f	plm

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: _____ Date: 12-11-2018

Relinquished By: _____ Date: _____ SEE PG 1

Recieved by Lab: _____ Date: 12/14/18 1:30 Pm

12/20/18 6:40 Am

OrderID: 031833572
OrderID: 031833572

A2Z Environmental llc.

P.O. Box 188
Pulaski, New York 13142
(315)527-8888

Chain of Custody Form

031833572

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 3 of 3

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
41-18c	drywall	2nd floor back bedroom	f	plm
42-18d	drywall	2nd floor back bedroom	f	plm

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: _____ Date: 12-11-2018

Relinquished By: _____ Date: _____ SEE Pg.1

Recieved by Lab: [signature] Date: 12/14/18 1:30 PM

12/20/18 6:40AM

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Attention: Jamie Foster
A2Z Environmental LLC.
PO Box 188
Pulaski, NY 13142

Phone: (315) 527-8888
Fax: (315) 363-4525
Received Date: 12/14/2018 1:30 PM
Analysis Date: 12/19/2018 - 12/20/2018
Collected Date: 12/11/2018

Project: A2Z1211018A/ 102 FORT STANWIX PARK, ROME

A2Z 121120 18A

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 01-1A		**Description**	BASEMENT - INSULATION VAPOR BARRIER (YELLOW)		
031833572-0001		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown	85.00% Cellulose	15.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 02-1B		**Description**	BASEMENT - INSULATION VAPOR BARRIER (YELLOW)		
031833572-0002		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ Black	90.00% Cellulose	10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 03-2A		**Description**	BASEMENT - INSULATION VAPOR BARRIER (PINK)		
031833572-0003		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown	85.00% Cellulose	15.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 04-2B		**Description**	BASEMENT - INSULATION VAPOR BARRIER (PINK)		
031833572-0004		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ Black	90.00% Cellulose 5.00% Min. Wool	5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 05-3A		**Description**	BASEMENT - DUCT WRAP		
031833572-0005		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray	None	56.00% Non-fibrous (other)	44.00% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 32-14B		Description	2ND FLOOR BATHROOM - FLOOR - GROUT (TAN)		
031833572-0032		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Tan		20.00% Ca Carbonate 40.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 33-15A		Description	2ND FLOOR BATHROOM - WALL TILE - GROUT (WHITE)		
031833572-0033		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB	12/20/2018	White		100.00% Other	None Detected
Sample ID 34-15B		Description	2ND FLOOR BATHROOM - WALL TILE - GROUT (WHITE)		
031833572-0034		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB	12/20/2018	Tan		100.00% Other	None Detected
Sample ID 35-16A		Description	2ND FLOOR BATHROOM - SHOWER WALL - MASTIC (TAN)		
031833572-0035		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB	12/19/2018	Tan/ Purple		100.00% Other	None Detected
Sample ID 36-16B		Description	2ND FLOOR BATHROOM - SHOWER WALL - MASTIC (TAN)		
031833572-0036		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB	12/19/2018	Tan/ Purple		100.00% Other	None Detected
Sample ID 37-17A		Description	2ND FLOOR BATHROOM - UNDER SUB-FLOOR - 12"X12" SELF STICK TILE		
031833572-0037		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB	12/19/2018	Various		100.00% Other	None Detected

Initial Report From: 12/20/2018 12:38:42

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031833572
Customer ID: AZCC25
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos
Sample ID 38-17B		**Description**	2ND FLOOR BATHROOM - UNDER SUB-FLOOR - 12"X12" SELF STICK TILE		
031833572-0038		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB	12/19/2018	Various		100.00% Other	None Detected
Sample ID 38-17B-Glue		**Description**	2ND FLOOR BATHROOM - UNDER SUB-FLOOR - 12"X12" SELF STICK TILE		
031833572-0038A		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB	12/19/2018	Tan		100.00% Other	None Detected
Sample ID 39-18A		**Description**	2ND FLOOR BACK BEDROOM - JOINT COMPOUND		
031833572-0039		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 40-18B		**Description**	2ND FLOOR BACK BEDROOM - JOINT COMPOUND		
031833572-0040		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray		40.00% Ca Carbonate 60.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 41-18C		**Description**	2ND FLOOR BACK BEDROOM - ~~2ND FLOOR BACK BEDROOM~~ DRY WALL		
031833572-0041		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Gray	6.00% Cellulose	65.00% Gypsum 29.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 42-18D		**Description**	2ND FLOOR BACK BEDROOM - 2ND FLOOR BACK BEDROOM		
031833572-0042		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	12/19/2018	Brown/ Gray	5.00% Cellulose	50.00% Gypsum 45.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 12/20/2018 12:38:42

OrderID: 031833572

A2Z Environmental llc.

P.O. Box 188
Pulaski, New York 13142
(315)527-8888

Chain of Custody Form

031833572

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 1 of 3

KCH

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
01-1a	insulation vapor barrier (yellow)	basement	NOB (WH)	tem
02-1b	insulation vapor barrier (yellow)	basement (Frank)	NOB	tem
03-2a	insulation vapor barrier (pink)	basement	NOB	tem
04-2b	insulation vapor barrier (pink)	basement	NOB	tem
05-3a	duct wrap	basement	f	plm
06-3b	duct wrap	basement	f	plm
07-4a	plaster	attic stairway	f	plm
08-4b	plaster	2nd floor bedroom	f	plm
09-5a	blown in insulation	attic	f	plm
10-5b	blown in insulation	attic	f	plm
11-6a	felt paper	1st floor adjacent to kitchen - floor	NOB	tem
12-6b	felt paper	1st floor adjacent to kitchen - floor	NOB	tem
13-7a	mastic	1st floor back entrance -9" x 9" black vct	NOB	tem
14-7b	mastic	1st floor back entrance -9" x 9" black vct	NOB	tem
15-7c	9" x 9" vct (black)	1st floor back entrance - floor	NOB	tem
16-7d	9" x 9" vct (black)	1st floor back entrance - floor	NOB	tem
17-8a	12" x 12" self stick tile (white)	1st floor - kitchen - floor	NOB	tem
18-8b	12" x 12" self stick tile (white)	1st floor - front entrance - floor	NOB	tem
19-9a	plaster	1st floor - living room	f	plm
20-9b	plaster	1st floor - bathroom	f	plm

RECEIVED 3 DEC 14 PM 1:30 EMLAP LAB

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

KCH 12/19

12/19/18

First number is sample number then multi-sample number and letter

Collected By: KYLE ROBERTS Date: 12-11-2018

Relinquished By: KYLE ROBERTS Date: 12-13-2018

Received by Lab: [signature] Date: 12/14/18 1:30 PM

12/19/18

OrderID: 031833572

A2Z Environmental llc.

P.O. Box 188
Pulaski, New York 13142
(315)527-8888

Chain of Custody Form

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 2 of 3

031833872

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
21-10a	joint compound	1st floor - kitchen	f	plm
22-10b	joint compound	1st floor - kitchen	f	plm
23-10c	drywall	1st floor - kitchen	f	plm
24-10d	drywall	1st floor - kitchen	f	plm
25-11a	mastic (brown)	1st floor - bathroom	NOB	tem
26-11b	mastic (brown)	1st floor - bathroom	NOB	tem
27-12a	caulk (white)	1st floor - bathroom - sink	NOB	tem
28-12b	caulk (white)	1st floor - bathroom - sink	NOB	tem
29-13a	grout	1st floor - bathroom	f	plm
30-13b	grout	1st floor - bathroom	f	plm
31-14a	grout (tan)	2nd floor bathroom - floor	f	plm
32-14b	grout (tan)	2nd floor bathroom - floor	f	plm
33-15a	grout (white)	2nd floor bathroom - wall tile	f	plm
34-15b	grout (white)	2nd floor bathroom - wall tile	f	plm
35-16a	mastic (tan)	2nd floor bathroom - shower wall	NOB	tem
36-16b	mastic (tan)	2nd floor bathroom - shower wall	NOB	tem
37-17a	12" x 12" self stick tile	2nd floor bathroom - under sub-floor	NOB	tem
38-17b	12" x 12" self stick tile	2nd floor bathroom - under sub-floor	NOB	tem
39-18a	joint compound	2nd floor back bedroom	f	plm
40-18b	joint compound	2nd floor back bedroom	f	plm

EMSL MANHATTAN LAB RECEIVED 18 DEC 14 PM 1:30

KCH 12/19

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: _____ Date: 12-11-2018

Relinquished By: _____ Date: _____

Recieved by Lab: [signature] Date: 12/14/18 1:30 PM

SEE pg. 1

[signature] 12/19/18

OrderID: 031833572

A2Z Environmental llc.

P.O. Box 188
Pulaski, New York 13142
(315)527-8888

Chain of Custody Form

031833572

Location: 102 Fort Stanwix Park, Rome

Number: A2Z12112018a Page: 3 of 3

Sample #	material sampled	Location	F/NF/NOB	Analysis requested
41-18c	drywall	2nd floor back bedroom	f	plm
42-18d	drywall	2nd floor back bedroom	f	plm

EMSL MATERIALS LAB
RECEIVED
13 DEC 14 PM 1:30

KCH 12/19

Instructions: 5 day turn around. Stop at first positive >1% for any multi samples (number and letters indicate multi-samples) (examples: 1-1a,2-1b,3-1c). Could you please email copy of results to a2zconstructionofcnyllc@verizon.net.

First number is sample number then multi-sample number and letter

Collected By: _____ Date: 12-11-2018

Relinquished By: _____ Date: _____

Recieved by Lab: [signature] Date: 12/14/18 1:30 PM

SEE Pg.1

[signature] 12/19/18

A2Z Environmental LLC

Asbestos License #73261---Asbestos Certification # 92-09664

P.O. Box 188
Pulaski, New York 13142
(315)527-8888

Appendix D

Laboratory License and Certificate

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2019
Issued April 01, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JAMES HALL
EMSL ANALYTICAL, INC
307 WEST 38TH STREET SUITE 901
NEW YORK, NY 10018

NY Lab Id No: 11506

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

	EPA 3051A

Serial No.: 57819

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