

James Feeney
Town of Arlington
730 Massachusetts Avenue
Arlington, MA 02476

December 7, 2023

RE: Bulk Sample Analytical Results
Town Hall, Cupola, 730 Mass Ave
Arlington, MA
FLI Project #: 23-2796

Dear Mr. Feeney:

FLI Environmental, Inc. collected samples of specific materials from the address noted above. Samples were transported under chain-of-custody protocol to an accredited laboratory for analysis.

<u>Sampling Summary:</u>	Field Technician:	Samantha Claus
	License #:	AI900988
	Date of Sampling:	December 4, 2023
	Total # of Samples:	14
	Samples Analyzed At:	Asbestos Identification Laboratory, Inc.
	NIST/NVLAP Certification#:	200919-0
	MassDLS Lab Certification#:	AA000208

Bulk samples were collected in a random manner and submitted via chain of custody to the analytical laboratory. The samples were analyzed by Polarized Light Microscopy per EPA Method 600/R-93-116, July 1993. Any homogeneous material having at least one (1) sample analyzed to contain greater than one percent (1%) asbestos is categorized as an asbestos containing material. Any homogeneous material having at least one (1) sample analyzed to contain any amount of asbestos is categorized as an asbestos containing waste material. Homogeneous materials where each sample analyzed was determined not to contain asbestos are categorized as non-asbestos. Laboratory Analytical Data Sheets are attached and provide details about each sample collected.

Remarks and Limitations:

1. Sampling was limited to the specific materials and areas identified by the client. Additional suspect materials may be present and if discovered during building renovation, maintenance or demolition, should be sampled and analyzed for asbestos content prior to disturbing.
2. Each identified asbestos containing material must be removed by a licensed asbestos abatement contractor prior to being disturbed by building maintenance, renovation or demolition activities.

Should you have any questions or need additional information, please contact our office at (781) 251-0040. Thank you for the opportunity to provide you with our services and we look forward to working together in the future.

Sincerely,
FLI Environmental, Inc.



Samantha Claus
Project Manager



Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email:
mikemanning@asbestosidentificationlab.com



Batch: 108228

Samantha Claus
FLI Environmental
69 Bridge Street
Dedham, MA 02026

Project Information
23-2796
*Arlington Town Hall,
730 Mass Ave.*

*Method: BULK PLM ANALYSIS,
EPA/600/R-93/116*

Dear Samantha Claus,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116. The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Samantha Claus for your business.

Michael Manning
Owner/Director

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
2796-01A 1185457	Silver Paint	Cupola	silver	Non-Fibrous 98	Detected Chrysotile 2
2796-01B 1185458	Silver Paint	Cupola	silver	Non-Fibrous 98	Detected Chrysotile 2
2796-02A 1185459	Black Slaters Cement	Cupola	black	Non-Fibrous 100	None Detected
2796-02B 1185460	Black Slaters Cement	Cupola	black	Non-Fibrous 100	None Detected
2796-03A 1185461	Black Flashing Cement	Cupola	black	Non-Fibrous 98	Detected Chrysotile 2
2796-03B 1185462	Black Flashing Cement	Cupola	black	Non-Fibrous 98	Detected Chrysotile 2
2796-04A 1185463	Seam Sealant	Cupola Rt. Side	gray	Non-Fibrous 100	None Detected
2796-04B 1185464	Seam Sealant	Cupola Rt. Side	gray	Non-Fibrous 100	None Detected
2796-05A 1185465	White Seam Sealant	Cupola Lt. Side	white	Non-Fibrous 100	None Detected
2796-05B 1185466	White Seam Sealant	Cupola Lt. Side	white	Non-Fibrous 100	None Detected
2796-06A 1185467	Gray Caulking	Cupola	gray	Non-Fibrous 100	None Detected
2796-06B 1185468	Gray Caulking	Cupola	gray	Non-Fibrous 100	None Detected
2796-07A 1185469	Asphalt Roofing	Cupola	black	Synthetic 10 Non-Fibrous 90	None Detected
2796-07B 1185470	Asphalt Roofing	Cupola	black	Fiberglass 10 Non-Fibrous 90	None Detected

Sampled: December 04, 2023 Received: December 05, 2023 Analyzed: December 06, 2023

Thursday 07 December

Analyzed by:



Batch: 108228

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)								
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous		
60	2796-03B	Material Black Slates Cement Location Cupola	0.5%	Oblong	Homogeneous	Smooth	Friable	Chrysotile	2-3 pte N/A																
Amosite																									
Crocidolite																									
Tremolite																									
Anthophyllite																									
Actinolite																									
61	2796-03A	Material Black Flashing Cement Location Cupola	0.5%	Oblong	Homogeneous	Smooth	Friable	Chrysotile	2-3 pte N/A																
Amosite																									
Crocidolite																									
Tremolite																									
Anthophyllite																									
Actinolite																									
62	2796-03B	Material Black Flashing Cement Location Cupola	0.5%	Oblong	Homogeneous	Smooth	Friable	Chrysotile	2-3 pte N/A																
Amosite																									
Crocidolite																									
Tremolite																									
Anthophyllite																									
Actinolite																									
63	2796-04A	Material Seam Sealant Location Cupola Rt. Side	0.5%	Oblong	Homogeneous	Smooth	Friable	Chrysotile																	
Amosite																									
Crocidolite																									
Tremolite																									
Anthophyllite																									
Actinolite																									
64	2796-04B	Material Seam Sealant Location Cupola Rt. Side	0.5%	Oblong	Homogeneous	Smooth	Friable	Chrysotile																	
Amosite																									
Crocidolite																									
Tremolite																									
Anthophyllite																									
Actinolite																									



THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Michael Flanagan
Director

ASBESTOS INSPECTOR

SAMANTHA CLAUS

Eff.Date: 11/10/2023

Exp.Date: 11/09/2024

AI900988

Member C.O.N.E.S.



THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS
100 CAMBRIDGE STREET, BOSTON, MA. 02114

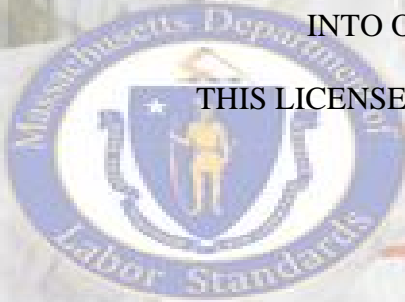
ASBESTOS CONSULTING SERVICE PROVIDER CERTIFICATE

FLI Environmental, Inc.
69 Bridge Street
Dedham, MA 02026

LICENSE: **AF79** EXPIRES: **Saturday, November 2, 2024**

IN ACCORDANCE WITH MGL CH. 149 § 6B AND 454 CMR 28.00
THIS CERTIFICATE IS ISSUED BY THE DEPARTMENT OF LABOR STANDARDS TO THE
CONTRACTOR ABOVE FOR THE PURPOSE OF ENTERING
INTO OR ENGAGING IN ASBESTOS WORK.

THIS LICENSE IS VALID FOR A PERIOD OF ONE (1) YEAR.



Michael Flanagan
MICHAEL FLANAGAN, DIRECTOR

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200919-0

Asbestos Identification Laboratory
Woburn, MA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2023-07-01 through 2024-06-30

Effective Dates



A handwritten signature in blue ink, reading "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS
100 CAMBRIDGE STREET, BOSTON, MA. 02114

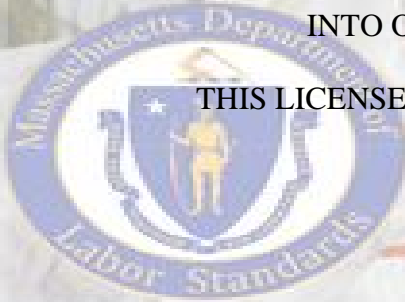
ASBESTOS ANALYTICAL SERVICES CERTIFICATE

ASBESTOS IDENTIFICATION LABORATORY
165 New Boston Street suite 227
Woburn, MA 01801

LICENSE: **AA000208** EXPIRES: **Wednesday, August 7, 2024**

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Michael Flanagan
MICHAEL FLANAGAN, DIRECTOR