

May 11, 2022

The EI Group
2101 Gateway Centre Blvd., Ste. 200
Morrisville, NC 27560

CLIENT PROJECT: APP-10685, INSP-0012859; IHMO220083.00
CEI LAB CODE: A223393

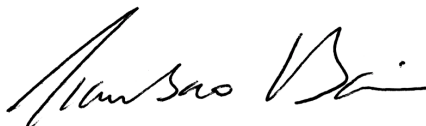
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 9, 2022. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

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

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

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for
The EI Group

CLIENT PROJECT: APP-10685, INSP-0012859; IHMO220083.00

LAB CODE: A223393

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

REPORT DATE: 05/11/22

TOTAL SAMPLES ANALYZED: 7

SAMPLES >1% ASBESTOS: 4



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: APP-10685, INSP-0012859;
IHMO220083.00

LAB CODE: A223393

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
001A		A223393.01	White,Brown	Ceiling Tile	None Detected
001B		A223393.02	White,Brown	Ceiling Tile	None Detected
002A		A223393.03A	Tan,Beige	Linoleum	Chrysotile 20%
002A	Layer 1	A223393.03B	Brown	Mastic	Chrysotile 2%
002A	Layer 2	A223393.03B	Black	Backing Material	None Detected
002B		A223393.04		Sample Not Analyzed per COC	
003A		A223393.05	Red,Black	Roof Coating	Chrysotile 5%
003B		A223393.06		Sample Not Analyzed per COC	
004A	Layer 1	A223393.07	Black,Gray	Roof Shingle	None Detected
004A	Layer 2	A223393.07	Black	Roof Shingle	None Detected
004B	Layer 1	A223393.08	Black,Gray	Roof Shingle	None Detected
004B	Layer 2	A223393.08	Black	Roof Shingle	None Detected
006A		A223393.09	Beige	Linoleum	Chrysotile 20%
006B		A223393.10		Sample Not Analyzed per COC	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: The EI Group
2101 Gateway Centre Blvd., Ste. 200
Morrisville, NC 27560

Lab Code: A223393
Date Received: 05-09-22
Date Analyzed: 05-11-22
Date Reported: 05-11-22

Project: APP-10685, INSP-0012859; IHMO220083.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
001A A223393.01	Ceiling Tile	Heterogeneous White,Brown Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
001B A223393.02	Ceiling Tile	Heterogeneous White,Brown Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
002A A223393.03A	Linoleum	Heterogeneous Tan,Beige Fibrous Bound	30%	Cellulose	50%	Vinyl	20% Chrysotile
002A Layer 1 A223393.03B	Mastic	Homogeneous Brown Non-fibrous Bound			98%	Mastic	2% Chrysotile
Analyst Opinion: Contamination from adjacent positive backing.							
002A Layer 2 A223393.03B	Backing Material	Homogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
002B A223393.04	Sample Not Analyzed per COC						
003A A223393.05	Roof Coating	Heterogeneous Red,Black Non-fibrous Bound			85% 10%	Tar Paint	5% Chrysotile
003B A223393.06	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
004A Layer 1 A223393.07	Roof Shingle	Heterogeneous Black, Gray Fibrous Bound	45%	Fiberglass	50% 5%	Tar Gravel	None Detected
004A Layer 2 A223393.07	Roof Shingle	Heterogeneous Black Fibrous Bound	45%	Fiberglass	50% 5%	Tar Gravel	None Detected
004B Layer 1 A223393.08	Roof Shingle	Heterogeneous Black, Gray Fibrous Bound	45%	Fiberglass	50% 5%	Tar Gravel	None Detected
004B Layer 2 A223393.08	Roof Shingle	Heterogeneous Black Fibrous Bound	45%	Fiberglass	50% 5%	Tar Gravel	None Detected
006A A223393.09	Linoleum	Heterogeneous Beige Fibrous Bound	30%	Cellulose	50%	Vinyl	20% Chrysotile
006B A223393.10	Sample Not Analyzed per COC						

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

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

REPORTING LIMIT: <1% by visual estimation

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

REGULATORY LIMIT: >1% by weight

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

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

ANALYST:



Kathryn Wescott

APPROVED BY:



Tianbao Bai, Ph.D., CIH
 Laboratory Director

