

May 9, 2022

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

CLIENT PROJECT: APP-11369, INSP-0012833; IHMO220083.00
CEI LAB CODE: A223156

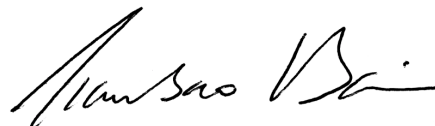
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 5, 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-11369, INSP-0012833; IHMO220083.00

LAB CODE: A223156

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

REPORT DATE: 05/09/22

TOTAL SAMPLES ANALYZED: 15

SAMPLES >1% ASBESTOS: 1

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

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IHMO220083.00

LAB CODE: A223156

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
001A		A223156.01	Black	Roofing, Composite Shingle	None Detected
001B		A223156.02	Black	Roofing, Composite Shingle	None Detected
002A		A223156.03	Beige, Large Square	Linoleum	None Detected
002B		A223156.04	Beige, Large Square	Linoleum	None Detected
003A		A223156.05	White, Beige	Linoleum	None Detected
003B		A223156.06	White, Beige	Linoleum	None Detected
004A		A223156.07	Tan	Linoleum	None Detected
004B		A223156.08	Tan	Linoleum	None Detected
005A		A223156.09	Beige, Small Square	Linoleum	None Detected
005B		A223156.10	Beige, Small Square	Linoleum	None Detected
006A		A223156.11	Green, Beige	Linoleum	None Detected
006B		A223156.12	Green, Beige	Linoleum	None Detected
007A		A223156.13A	Green, Yellow	Linoleum	None Detected
007A		A223156.13B	Brown	Mastic	None Detected
007B		A223156.14A	Green, Yellow	Linoleum	None Detected
007B		A223156.14B	Brown	Mastic	None Detected
008A		A223156.15	Gray, White	Transite	Chrysotile 15%
008B		A223156.16		Sample Not Analyzed per COC	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Lab Code: A223156
Date Received: 05-05-22
Date Analyzed: 05-09-22
Date Reported: 05-09-22

Project: APP-11369, INSP-0012833; IHMO220083.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
001A A223156.01	Roofing, Composite Shingle	Heterogeneous Black Fibrous Bound	30%	Fiberglass	60%	Tar 10% Gravel	None Detected
001B A223156.02	Roofing, Composite Shingle	Heterogeneous Black Fibrous Bound	30%	Fiberglass	60%	Tar 10% Gravel	None Detected
002A A223156.03	Linoleum	Heterogeneous Beige, Large Square Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
002B A223156.04	Linoleum	Heterogeneous Beige, Large Square Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
003A A223156.05	Linoleum	Heterogeneous White, Beige Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
003B A223156.06	Linoleum	Heterogeneous White, Beige Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
004A A223156.07	Linoleum	Heterogeneous Tan Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected

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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		
004B A223156.08	Linoleum	Heterogeneous Tan Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
005A A223156.09	Linoleum	Heterogeneous Beige,Small Square Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
005B A223156.10	Linoleum	Heterogeneous Beige,Small Square Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
006A A223156.11	Linoleum	Heterogeneous Green,Beige Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
006B A223156.12	Linoleum	Heterogeneous Green,Beige Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
007A A223156.13A	Linoleum	Heterogeneous Green,Yellow Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
007A A223156.13B	Mastic	Homogeneous Brown Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected

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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		
007B A223156.14A	Linoleum	Heterogeneous Green,Yellow Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
007B A223156.14B	Mastic	Homogeneous Brown Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
008A A223156.15	Transite	Homogeneous Gray,White Fibrous Bound			85%	Binder	15% Chrysotile
008B A223156.16	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.*

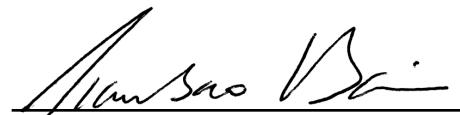
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Information provided by customer includes customer sample ID and sample description.

ANALYST:


Ryan Steele

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director

