

April 15, 2022

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

CLIENT PROJECT: APP-11349, INSP-0012665, IHMO220064.00
CEI LAB CODE: A220968

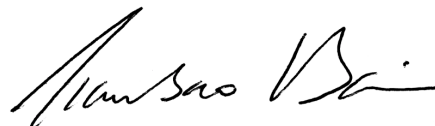
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 12, 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-11349, INSP-0012665, IHMO220064.00

LAB CODE: A220968

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

REPORT DATE: 04/15/22

TOTAL SAMPLES ANALYZED: 15

SAMPLES >1% ASBESTOS: 2



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: APP-11349, INSP-0012665,
IHMO220064.00

LAB CODE: A220968

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
001A		A220968.01	White,Off-white	Popcorn Ceiling	Chrysotile 2%
001B		A220968.02		Sample Not Analyzed per COC	
001C		A220968.03		Sample Not Analyzed per COC	
002A	Layer 1	A220968.04	White	Plaster Skim Coat	None Detected
002A	Layer 2	A220968.04	Gray	Plaster Base Coat	None Detected
002B	Layer 1	A220968.05	White	Plaster Skim Coat	None Detected
002B	Layer 2	A220968.05	Gray	Plaster Base Coat	None Detected
002C	Layer 1	A220968.06	White	Plaster Skim Coat	None Detected
002C	Layer 2	A220968.06	Gray	Plaster Base Coat	None Detected
002D	Layer 1	A220968.07	White	Plaster Skim Coat	None Detected
002D	Layer 2	A220968.07	Gray	Plaster Base Coat	None Detected
002E	Layer 1	A220968.08	White	Plaster Skim Coat	None Detected
002E	Layer 2	A220968.08	Gray	Plaster Base Coat	None Detected
003A		A220968.09A	White,Tan	Ceiling Tile	None Detected
003A	Layer 1	A220968.09B	Brown,Tan	Mastic	None Detected
003A	Layer 2	A220968.09B	Brown	Fiberboard	None Detected
003B		A220968.10A	White,Tan	Ceiling Tile	None Detected
003B	Layer 1	A220968.10B	Brown,Tan	Mastic	None Detected
003B	Layer 2	A220968.10B	Brown	Fiberboard	None Detected
004A		A220968.11	Brown,Tan	Flooring	Chrysotile 20%
004B		A220968.12		Sample Not Analyzed per COC	
005A		A220968.13	Cream,Pink	Vinyl Flooring	None Detected
005B		A220968.14	Cream,Pink	Vinyl Flooring	None Detected
007A		A220968.15	Black	Roof Shingle	None Detected
007B		A220968.16	Black	Roof Shingle	None Detected
008A		A220968.17	White	Window Glazing	None Detected
008B		A220968.18	White	Window Glazing	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: The EI Group
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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	
001A A220968.01	Popcorn Ceiling	Heterogeneous White, Off-white Non-fibrous Bound		68% Binder 25% Calc Carb 5% Paint	2% Chrysotile
001B A220968.02	Sample Not Analyzed per COC				
001C A220968.03	Sample Not Analyzed per COC				
002A Layer 1 A220968.04	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound		90% Binder 5% Silicates 5% Paint	None Detected
002A Layer 2 A220968.04	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound	<1% Cellulose	60% Silicates 40% Binder	None Detected
002B Layer 1 A220968.05	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound		90% Binder 5% Silicates 5% Paint	None Detected
002B Layer 2 A220968.05	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound	<1% Cellulose	60% Silicates 40% Binder	None Detected
002C Layer 1 A220968.06	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound		90% Binder 5% Silicates 5% Paint	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		
002C Layer 2 A220968.06	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60% 40%	Silicates Binder	None Detected
002D Layer 1 A220968.07	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			90% 5% 5%	Binder Silicates Paint	None Detected
002D Layer 2 A220968.07	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60% 40%	Silicates Binder	None Detected
002E Layer 1 A220968.08	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			90% 5% 5%	Binder Silicates Paint	None Detected
002E Layer 2 A220968.08	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60% 40%	Silicates Binder	None Detected
003A A220968.09A	Ceiling Tile	Heterogeneous White,Tan Fibrous Loosely Bound	60% 20%	Cellulose Fiberglass	15% 5%	Perlite Paint	None Detected
003A Layer 1 A220968.09B	Mastic	Homogeneous Brown,Tan Non-fibrous Bound			100%	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		
003A Layer 2 A220968.09B	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
003B A220968.10A	Ceiling Tile	Heterogeneous White,Tan Fibrous Loosely Bound	60% 20%	Cellulose Fiberglass	15% 5%	Perlite Paint	None Detected
003B Layer 1 A220968.10B	Mastic	Homogeneous Brown,Tan Non-fibrous Bound			100%	Mastic	None Detected
003B Layer 2 A220968.10B	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
004A A220968.11	Flooring	Heterogeneous Brown,Tan Fibrous Bound	30%	Cellulose	50%	Vinyl	20% Chrysotile
004B A220968.12	Sample Not Analyzed per COC						
005A A220968.13	Vinyl Flooring	Heterogeneous Cream,Pink Fibrous Bound	50%	Cellulose	50%	Vinyl	None Detected
005B A220968.14	Vinyl Flooring	Heterogeneous Cream,Pink 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		
007A A220968.15	Roof Shingle	Heterogeneous Black Fibrous Bound	45%	Fiberglass	50% 5%	Tar Gravel	None Detected
007B A220968.16	Roof Shingle	Heterogeneous Black Fibrous Bound	45%	Fiberglass	50% 5%	Tar Gravel	None Detected
008A A220968.17	Window Glazing	Heterogeneous White Non-fibrous Bound			100% <1%	Binder Paint	None Detected
008B A220968.18	Window Glazing	Heterogeneous White Non-fibrous Bound			100% <1%	Binder Paint	None Detected

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

