

March 15, 2022

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

CLIENT PROJECT: APP-03009, INSP-0012317, IHMO220019.00
CEI LAB CODE: B225674

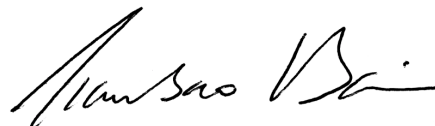
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on March 10, 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-03009, INSP-0012317, IHMO220019.00

LAB CODE: B225674

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

REPORT DATE: 03/15/22

TOTAL SAMPLES ANALYZED: 8

SAMPLES >1% ASBESTOS:

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: APP-03009, INSP-0012317,
IHMO220019.00

LAB CODE: B225674

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
001A		B225674.01	Black	Shingle	None Detected
001B		B225674.02	Black	Shingle	None Detected
002A		B225674.03A	White	Linoleum	None Detected
002A		B225674.03B	Clear	Mastic	None Detected
002B		B225674.04A	White	Linoleum	None Detected
002B		B225674.04B	Clear	Mastic	None Detected
003A		B225674.05	Gray	Linoleum	None Detected
003B		B225674.06	Gray	Linoleum	None Detected
004A		B225674.07	Tan,White	Ceiling Tile	None Detected
004B		B225674.08	Tan,White	Ceiling Tile	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B225674
Date Received: 03-10-22
Date Analyzed: 03-15-22
Date Reported: 03-15-22

Project: APP-03009, INSP-0012317, IHMO220019.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
001A B225674.01	Shingle	Heterogeneous Black Fibrous Bound	45%	Fiberglass	15% 40%	Gravel Tar	None Detected
001B B225674.02	Shingle	Heterogeneous Black Fibrous Bound	45%	Fiberglass	15% 40%	Gravel Tar	None Detected
002A B225674.03A	Linoleum	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
002A B225674.03B	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
002B B225674.04A	Linoleum	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
002B B225674.04B	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
003A B225674.05	Linoleum	Heterogeneous Gray Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Binder	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		
003B B225674.06	Linoleum	Heterogeneous Gray Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Binder	None Detected
004A B225674.07	Ceiling Tile	Heterogeneous Tan,White Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
004B B225674.08	Ceiling Tile	Heterogeneous Tan,White Fibrous Bound	95%	Cellulose	5%	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

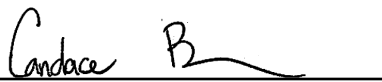
REGULATORY LIMIT: >1% by weight

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.*

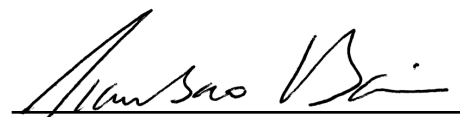
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Information provided by customer includes customer sample ID and sample description.

ANALYST:


Candace Burrus

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director

