

October 28, 2021

City of Wilson, Inspections Department
P.O. Box 10
Wilson, NC 27894-0010

CLIENT PROJECT: 1008 Woodard
CEI LAB CODE: B219634

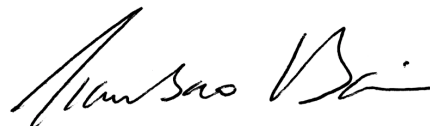
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 21, 2021. 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



CEI

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

City of Wilson, Inspections Department

CLIENT PROJECT: 1008 Woodard

LAB CODE: B219634

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

REPORT DATE: 10/28/21

TOTAL SAMPLES ANALYZED: 13

SAMPLES >1% ASBESTOS:



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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 1008 Woodard

LAB CODE: B219634

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		B154492	Tan	Floor Tile	None Detected
2		B154493	Brown	Floor Tile	None Detected
3		B154494	Red,Black	Floor Tile	None Detected
4		B154495	Gray	Plaster	None Detected
5		B154496	Green	Floor	None Detected
6		B154497	Gray	Plaster	None Detected
7		B154498	Tan	Floor	None Detected
8		B154499	Green	Floor	None Detected
9		B154500	Cream,Tan	Floor	None Detected
10		B154501	Cream	Floor	None Detected
11		B154502	Gray	Window Glazing	None Detected
12	Layer 1	B154503	White	Wall Plaster Skim Coat	None Detected
	Layer 2	B154503	Gray	Wall Plaster Base Coat	None Detected
13		B154504	Gray	Window Glazing	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: City of Wilson, Inspections Department
 P.O. Box 10
 Wilson, NC 27894-0010

Lab Code: B219634
Date Received: 10-21-21
Date Analyzed: 10-28-21
Date Reported: 10-28-21

Project: 1008 Woodard

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1 B154492	Floor Tile	Heterogeneous Tan Fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Mastic is not present.							
2 B154493	Floor Tile	Heterogeneous Brown Fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Mastic is not present.							
3 B154494	Floor Tile	Heterogeneous Red,Black Fibrous Bound	25%	Cellulose	60% 15%	Vinyl Tar	None Detected
Lab Notes: Mastic is not present.							
4 B154495	Plaster	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	85% 15%	Silicates Binder	None Detected
5 B154496	Floor	Heterogeneous Green Non-fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Mastic is not present.							
6 B154497	Plaster	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	85% 15%	Silicates Binder	None Detected

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		
7 B154498	Floor	Heterogeneous Tan Non-fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Mastic is not present.							
8 B154499	Floor	Heterogeneous Green Non-fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Mastic is not present.							
9 B154500	Floor	Heterogeneous Cream, Tan Non-fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Mastic is not present.							
10 B154501	Floor	Heterogeneous Cream Non-fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Mastic is not present.							
11 B154502	Window Glazing	Heterogeneous Gray Non-fibrous Bound			5%	Paint	None Detected
					95%	Caulk	
12 Layer 1 B154503	Wall Plaster Skim Coat	Heterogeneous White Non-fibrous Bound	<1%	Cellulose	2%	Paint	None Detected
					65%	Calc Carb	
					33%	Binder	

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous			%
Layer 2 B154503	Wall Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	85%	Silicates	None Detected
					15%	Binder	
13 B154504	Window Glazing	Heterogeneous Gray Non-fibrous Bound			5%	Paint	None Detected
					95%	Caulk	

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

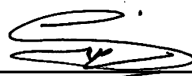
REGULATORY LIMIT: >1% by weight

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.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

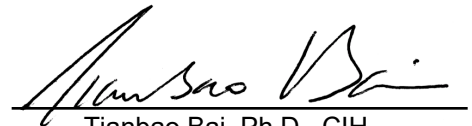
Information provided by customer includes customer sample ID and sample description.

ANALYST:



Saithya Painkal

APPROVED BY:



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code: B219634

CEI Lab I.D. Range: B154492-B154504

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COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <i>Jonathan Rogers</i>
Company: <i>City of Wilson</i>	Email / Tel: <i>jrogers@wilsonnc.org</i>
Address: <i>PO Box 10</i>	Project Name: <i>1008 Woodard</i>
<i>Wilson, NC 27894</i>	Project ID#:
Email:	PO #:
Tel: <i>(252) 399-2216</i> Fax:	STATE SAMPLES COLLECTED IN:

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	<i>10/19/21 2:27pm</i>	<i>JB</i>	<i>10/21 3:40</i>

Samples will be disposed of 30 days after analysis



CEI

COMPANY CONTACT INFORMATION	
Company: <i>City of Wilson</i>	Job Contact: <i>Jonathan Rogers</i>
Project Name: <i>1008 Woodward</i>	
Project ID #:	Tel: <i>(252) 399-2216</i>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#1	Floor Tile (Top)		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#2	Floor Tile (Middle)		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#3	Floor Tile (Bottom)		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#4	Plaster		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#5	Floor		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#6	Plaster		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#7	Floor Dining Room		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#8	Floor Hallway		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#9	Floor Bathroom		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#10	Floor Bathroom		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#11	Window Glazing		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#12	Wall Plaster		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
#13	Window Glazing (Den)		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
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