

April 22, 2021

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

CLIENT PROJECT: 901 Raleigh **CEI LAB CODE:** A214702

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 19, 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

Mansao Bi





ASBESTOS ANALYTICAL REPORT By: Polarized Light Microscopy

Prepared for

City of Wilson, Inspections Department

CLIENT PROJECT: 901 Raleigh

LAB CODE: A214702

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

REPORT DATE: 04/22/21

TOTAL SAMPLES ANALYZED: 22

SAMPLES >1% ASBESTOS: 2



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 901 Raleigh LAB CODE: A214702

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
#1		A68032	White,Tan	Ceiling Tile	None Detected
#2		A68033	White	Insulation	None Detected
#3		A68034	Red	Carpet	None Detected
#4		A68035	White	Drywall	None Detected
#5		A68036	White	Wall Stucco	None Detected
#6		A68037	Gray	Insulation	None Detected
#7		A68038	Red-Tan	Carpet Roll	None Detected
#8		A68039	White	Ceiling Board / Mud	None Detected
#9	Layer 1	A68040	Cream	Wall Plaster Skim Coat	None Detected
	Layer 2	A68040	Beige	Wall Plaster Base Coat	None Detected
#10	Layer 1	A68041	Tan	Ceramic Tile Mastic	None Detected
	Layer 2	A68041	Cream	Leveling Compound	None Detected
#11		A68042A	Black	Floor Tile	None Detected
	Layer 1	A68042B	Brown	Mastic	None Detected
	Layer 2	A68042B	Black	Backing Material	None Detected
#12		A68043	White	Pipe Insulation	Chrysotile 65%
#13		A68044	White	Pipe Elbow Insulation	Chrysotile 65%
#14	Layer 1	A68045	White	Wall Plaster Skim Coat	None Detected
	Layer 2	A68045	Beige	Wall Plaster Base Coat	None Detected
#15		A68046	Beige	Ceiling Plaster	None Detected
#16	Layer 1	A68047	White	Wall Plaster Surfacing	None Detected
	Layer 2	A68047	Cream	Wall Plaster Skim Coat	None Detected
	Layer 3	A68047	Beige	Wall Plaster Base Coat	None Detected
#17		A68048	White	Ceiling Plaster	None Detected
#18		A68049	White	Shell	None Detected
#19	Layer 1	A68050	Cream	Wall Plaster Skim Coat	None Detected
	Layer 2	A68050	Beige	Wall Plaster Base Coat	None Detected
#20		A68051	White,Gray	Window Glazing	None Detected
#21		A68052	Gray	Roof Shingle	None Detected
#22		A68053	Black	Roof Paper	None Detected



Lab Code:

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A214702

Client: City of Wilson, Inspections Department

P.O. Box 10

Date Received: 04-19-21 Wilson, NC 27894-0010 Date Analyzed: 04-22-21 Date Reported: 04-22-21

Project: 901 Raleigh

Client ID	Lab	Lab NON-ASBESTOS COMPONENTS					ASBESTOS	
Lab ID	Description	Attributes	Fibrous		Non-	ibrous	%	
#1 Ceiling A68032	Ceiling Tile	Heterogeneous White,Tan Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected	
#2 A68033	Insulation	Homogeneous White Fibrous Loose	98% 2%	Fiberglass Mineral Wool			None Detected	
#3 A68034	Carpet	Heterogeneous Red Fibrous Bound	10% 75%	Fiberglass Synthetic Fiber	15% r	Binder	None Detected	
#4 A68035	Drywall	Heterogeneous White Fibrous Bound	10%	Cellulose	90%	Gypsum	None Detected	
#5 A68036	Wall Stucco	Homogeneous White Fibrous Bound	<1% <1%	Cellulose Hair	60% 40%	Binder Silicates	None Detected	
#6 A68037	Insulation	Homogeneous Gray Fibrous Loose	98% 2%	Fiberglass Mineral Wool			None Detected	
#7 A68038	Carpet Roll	Heterogeneous Red-Tan Fibrous Loosely Bound	100%	Cellulose			None Detected	



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Project: 901 Raleigh

Client ID	Lab	Lab	NO	N-ASBESTOS	COMPO	NENTS	ASBESTOS
Lab ID	Description	Attributes	Fibr	ous	Non-l	Fibrous	%
#8 A68039	Ceiling Board / Mud	Heterogeneous White Fibrous Bound	10%	Cellulose	15% 10% 65%	Calc Carb Binder Gypsum	None Detected
#9 Layer 1 A68040	Wall Plaster Skim Coat	Heterogeneous Cream Fibrous Bound	2%	Cellulose	3% 95%	Paint Binder	None Detected
Layer 2 A68040	Wall Plaster Base Coat	Homogeneous Beige Fibrous Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
#10 Layer 1 A68041	Ceramic Tile Mastic	Homogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
Layer 2 A68041	Leveling Compound	Homogeneous Cream Fibrous Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
#11 A68042A	Floor Tile	Homogeneous Black Fibrous Bound	2%	Cellulose	60% 38%	Vinyl Calc Carb	None Detected
Layer 1 A68042B	Mastic	Homogeneous Brown Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected



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Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibr	ous	Non-F	ibrous	%
Layer 2 A68042B	Backing Material	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
#12 A68043	Pipe Insulation	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	20%	Binder	65% Chrysotile
#13 A68044	Pipe Elbow Insulation	Homogeneous White Fibrous Loosely Bound	15%	Cellulose	20%	Binder	65% Chrysotile
#14 Layer 1 A68045	Wall Plaster Skim Coat	Homogeneous White Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
Layer 2 A68045	Wall Plaster Base Coat	Homogeneous Beige Fibrous Bound	<1% <1%	Cellulose Hair	60% 40%	Binder Silicates	None Detected
#15 A68046	Ceiling Plaster	Homogeneous Beige Fibrous Bound	<1% <1%	Cellulose Hair	60% 40%	Binder Silicates	None Detected
#16 Layer 1 A68047	Wall Plaster Surfacing	Homogeneous White Fibrous Bound	2%	Cellulose	80% 18%	Calc Carb Binder	None Detected



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Lab ID	Description	Attributes	Fibr	ous	Non-F	ibrous	%
Layer 2 A68047	Wall Plaster Skim Coat	Heterogeneous Cream Fibrous Bound	2%	Cellulose	3% 95%	Paint Binder	None Detected
Layer 3 A68047	Wall Plaster Base Coat	Homogeneous Beige Fibrous Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
#17 A68048	Ceiling Plaster	Homogeneous White Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
#18 A68049	Shell	Heterogeneous White Fibrous Bound	2%	Cellulose	3% 95%	Paint Binder	None Detected
#19 Layer 1 A68050	Wall Plaster Skim Coat	Homogeneous Cream Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
Layer 2 A68050	Wall Plaster Base Coat	Homogeneous Beige Fibrous Bound	<1%	Cellulose	60% 40%	Binder Silicates	None Detected
#20 A68051	Window Glazing	Heterogeneous White,Gray Fibrous Bound	3%	Talc	2% 95%	Paint Binder	None Detected



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Project: 901 Raleigh

Client ID Lab ID	Lab Description	Lab Attributes		N-ASBESTOS ous		NENTS Fibrous	ASBESTOS %
#21 A68052	Roof Shingle	Heterogeneous Gray Fibrous Bound	25%	Fiberglass	10% 65%	Gravel Tar	None Detected
#22 A68053	Roof Paper	Homogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	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.*

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:

APPROVED B

Tianbao Bai, Ph.D., CIH Laboratory Director





CHAIN OF CUSTODY

CEI

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

LAB USE ONLY:	
CEI Lab Code:	A214702
CEI Lab I.D. Ra	nge: A68032-A68053

COMPANY INFORMATION	PROJECT INFORMATION				
CEI CLIENT #:	Job Contact: Brooks Was Swuth				
Company: City of Wilson	Email/Tel: bwadsworth @ whonne. org				
Address: PD BOX 10	Project Name: 90) Raleigh				
Wilson, NC 27894	Project ID#:				
Email:	PO #:				
Tel: (252)399-2240Fax:	STATE SAMPLES COLLECTED IN:				

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

		TURN AROUND TIME					
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600					V	
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PLM BULK	CARB 435						
PCM AIR	NIOSH 7400						
TEM AIR	EPA AHERA						
TEM AIR	NIOSH 7402						
TEM AIR (PCME)	ISO 10312						
TEM AIR	ASTM 6281-15						
TEM BULK	CHATFIELD		+				
TEM DUST WIPE	ASTM D6480-05 (2010)						
TEM DUST MICROVAC	ASTM D5755-09 (2014)						
TEM SOIL	ASTM D7521-16						
TEM VERMICULITE	CINCINNATI METHOD			20 D			
TEM QUALITTATIVE	IN-HOUSE METHOD						
OTHER:							

REMARKS / SPECIAL IN	Accept Samples Reject Samples		
Relinquished By:	Date/Time	Received By:	Date/Time
XXXX	4/15/2021 4:15 pm	JB	4/19 8:00

Samples will be disposed of 30 days after analysis

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SAMPLING FORM

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COMPANY CONTACT INFORMATION	ASSESSMENT TO A SECOND OF THE
Company: City of Wilson	Job Contact: Brooks Wads WOAL
Project Name: 901 Raleigh	
Project ID #:	Tel: (252) 355 - 2240

		VOLUME/		
SAMPLE ID#	DESCRIPTION / LOCATION	AREA		EST
#1	Galling Tile RM A		PLM	TEM
#2	Insulation Rm A		PLM	TEM
#3	Corput RM A		PLM	TEM
* U.	Wall RM A		PLM	TEM
#5	Wall Stucco RMA	- 3	PLM 🔲	TEM
#6	Insulation (Gray) RMA		PLM 🔲	TEM
#7,	Carpet ROII RM A		PLM	TEM
# 8	Celling Board Rym A		PLM 🔲	TEM
# 9	Wall Plaster RMB	1. 4.	PLM	TEM
#10	Markok RM B		PLM	TEM
# 11	Floor Tile RMC		PLM	TEM
# 12	Pipe Insulation RMD		PLM	TEM
#13	Ripe Elbow Insulation RMI		PLM	TEM
# 14	Wall Plask RME		PLM	TEM
#15	Celling RM F	1.	PLM	TEM
#16	Plaster Wall-Pepair RM F		PLM	TEM
#17	Calina Plaster Rm G		PLM	TEM
# 18	Shell Rm G		PLM	TEM
#19	Wall Plaster RM G	- 1	PLM 🔲	TEM
# 20	Window Glazin	i	PLM []	TEM
# 21	Roof Shinsle	1997	PLM D	TEM
# 22	Rost Pares		PLM	TEM
			PLM -	TEM
	7		PLM	TEM
			PLM	TEM
***************************************			PLM	TEM
			PLM	TEM
		s N	PLM	TEM

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