

LABORATORY REPORT

BULK SAMPLE ASBESTOS EVALUATION BY POLARIZED LIGHT MICROSCOPY METHOD

Client:	Ironwood Environmental					Project Location:	4610 Marion Ave.		
Contact	Jeremy Bonacquisti					Project Reference:	MC 3188		
Address:	8787 Burr Oak Rd.					TEM Project:	76214		
	Roscoe	IL	61073-			Analyzed by:	Lori Boersma		
						Date Analyzed:	4/8/2025		
Sample Information			Asbestos Present	Fibrous Materials				Non-Fibrous Materials	
Client Sample ID	Lab ID	Color		Asbestos Fibers		Non-Asbestos Fibers		Filler	Comments
Description				Type	Percent	Type	Percent	Binder	
01 Ceiling Insulation	566868	Brown	None Detected	-	-	Cellulose:	10-15	0-10	
						Glass:	80-85		
02 12x12 Ceiling Tile	566869	White/Gray	None Detected	-	-	Cellulose:	70-80	20-30	
						Glass:	Trace		
03 Entry Floor Tile	566870	Black	None Detected	-	-	-	-	90-100	SLM
04 Window Glaze	566871	White	None Detected	-	-	-	-	90-100	
05 Bath Floor Tile	566872	Brown/Black	Yes	Chrysotile:	2-3	-	-	97-98	
06 Wall Texture	566873	White	None Detected	-	-	Cellulose:	Trace	90-100	
07 HVAC	566874	Gray	Yes	Chrysotile:	80-90	-	-	10-20	
08 9x9 Floor Tile - 2nd Fl.	566875	Brown	Yes	Chrysotile:	2-3	-	-	97-98	

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Client Sample ID	Lab ID	Color		Asbestos Fibers		Non-Asbestos Fibers		Filler	Comments
Description				Type	Percent	Type	Percent	Binder	
08* FT Mastic/Felt	566876	Black	None Detected	-	-	Cellulose:	70-80	20-30	

Samples are analyzed following the procedures contained in the USEPA Method 600/R-93/116 July 1993. This report applies only to samples analyzed. This report may not be reproduced except in full and with the approval of TEM Environmental, Inc. This report may not be used by the client to claim product endorsement by NVLAP or any agency of the US government. An estimate of the laboratory uncertainty is available upon request.

SLM: Certain samples may warrant additional analysis beyond the standard USEPA Polarized Light Microscopy method. 1) Further testing using the point count method is recommend for friable samples found to contain less than 10% asbestos by PLM to confirm that the samples are in fact regulated asbestos containing materials (RACM) as defined by the USEPA NESHAP Regulation. 2) The optical resolution of a polarized light microscope limits the size of fibers that are visible. In cases where very small fibers may be present, such as in samples of floor tiles, vermiculite or certain construction adhesives, the result of the PLM analysis is not conclusive when the sample is reported as "None Detected" or "Trace". Further testing using transmission electron microscopy is recommended in those cases where samples may contain very small fibers which may be smaller than the resolution limit of a polarized light microscope. All such services are available for an additional fee.

Analytical services provided are subject to the Terms and Conditions listed on our website.



Report Approved by:



ENVIRONMENTAL, INC.

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CHAIN OF CUSTODY FORM

MC 3188

Client: Ironwood Environmental Inc	Date:	TAT	RUSH/WKD	24HR	48HR	72HR	4 DAYS	> 5 DAYS
Contact: Jeremy Bonacquisti		Project Name/No: 4610 Marion Ave						
Address: 8787 Burr Oak Rd		Results Due by (Date & Time):						
City/State/Zip: Roscoe, IL. 61073		TEM Project #: 76214						
Phone: 815-378-6113	Fax:	NVLAP ID 101130 AIHA-PAT ID 101151 AIHA-AAR ID 101151						
Email: Ironwoodenv@aol.com								

Comments:

PO/Quote#:

Client ID No.	Description	Sample Volume	PLM		TEM							Comments	
			Bulk	Point Count	Gravimetric	Air-AHERA	Air-Other	Bulk	Chatfield	Water	Micro-Vac		PCM-Air
1	Ceiling Insul												
2	12x12 Ceiling Tile												
3	Entry Floor Tile												
4	Window Glass												
5	Bath Floor Tile												
6	Wall Texture												
7	HVAC												
8	9x9 Floor Tile 2nd Floor												450 ft
9													
10													
11													
12													
13													
14													
15													
16													

RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):	DATE/TIME
RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):	DATE/TIME
LOGGED IN BY (SIGNATURE):	DATE/TIME	ANALYZED BY (SIGNATURE):	DATE/TIME