

LABORATORY REPORT

BULK SAMPLE ASBESTOS EVALUATION BY POLARIZED LIGHT MICROSCOPY METHOD

Client:	Ironwood Environmental	Project Location:	1304 Orchard
Contact	Jeremy Bonacquisti	Project Reference:	MC 3138
Address:	8787 Burr Oak Rd.	TEM Project:	73899
	Roscoe IL 61073-	Analyzed by:	Lori Boersma
		Date Analyzed:	7/13/2024

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 Texture	534078	White	None Detected	-	-	-	-	90-100	
02 Plaster	534079	Gray	None Detected	-	-	-	-	90-100	
03 Attic Insulation	534080	Gray	None Detected	-	-	Glass:	90-100	0-10	
04 Drywall	534081	Brown/White	None Detected	-	-	Cellulose:	5-10	90-95	
05 Window Glaze	534082	Beige	None Detected	-	-	-	-	90-100	
06 HVAC	534083	Gray	Yes	Chrysotile:	85-95	-	-	5-15	

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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:

CHAIN OF CUSTODY FORM

mc 3138

Client: **Ironwood Environmental Inc** Date: _____
 Contact: **Jeremy Bonacquisti**
 Address: **8787 Burr Oak Rd**
 City/State/Zip: **Roscoe, IL. 61073**
 Phone: **815-378-6113** Fax: _____
 Email: **Ironwoodenv@aol.com**

TAT RUSH/WKD 24HR 48HR 72HR 4 DAYS > 5 DAYS
 Project Name/No: **1304 Overhaul**
 Results Due by (Date & Time): _____
 TEM Project #: **73899**
 NVLAP ID 101130 AIHA-PAT ID 101151 AIHA-AAR ID 101151

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	Other
1	<i>ceiling dust</i>													
2	<i>Plaster</i>													
3	<i>Attic insul</i>													
4	<i>dry wall</i>													
5	<i>Walls</i>													
6	<i>HVAC</i>													
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14														
15														
16														

RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE): <i>[Signature]</i>	DATE/TIME 7/10/24 12:45
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LOGGED IN BY (SIGNATURE):	DATE/TIME	ANALYZED BY (SIGNATURE):	DATE/TIME