

LABORATORY REPORT

BULK SAMPLE ASBESTOS EVALUATION BY POLARIZED LIGHT MICROSCOPY METHOD

Client:	Ironwood Environmental	Project Location:	232 S. McKinley, S. Beloit
Contact	Jeremy Bonacquisti	Project Reference:	MC 3137
Address:	8787 Burr Oak Rd.	TEM Project:	73900
	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 Drywall	534084	Brown/White	None Detected	-	-	Cellulose:	5-10	90-95	
02 9x9 Brown Floor Tile	534085	Brown	Yes	Chrysotile:	2-3	-	-	97-98	
02* 9x9 Brown FT Mastic	534086	Black	None Detected	-	-	Cellulose:	10-15	85-90	
03 9x9 White Floor Tile	534087	White	Yes	Chrysotile:	2-3	-	-	97-98	
03* 9x9 White FT Mastic	534088	Brown	None Detected	-	-	-	-	90-100	
04 Vinyl Flooring	534089	Cream	None Detected	-	-	Cellulose:	Trace	65-75	
						Glass:	25-35		

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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

MC7137


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: 232 S. McKinney
 Results Due by (Date & Time): S. DeLoft
 TEM Project #: 73900
 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
1	Day wall												
2	9x9 Floor tile blue Brown 35g												
3	9x9 Floor tile white 35g												
4	blue vinyl floorings 35g												
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													

RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):	DATE/TIME
			11/10/24 12:45
RELINQUISHED BY (SIGNATURE):	DATE/TIME	RECEIVED BY (SIGNATURE):	DATE/TIME
LOGGED IN BY (SIGNATURE):	DATE/TIME	ANALYZED BY (SIGNATURE):	DATE/TIME