

## LABORATORY REPORT

### BULK SAMPLE ASBESTOS EVALUATION BY POLARIZED LIGHT MICROSCOPY METHOD

<b>Client:</b>	Ironwood Environmental					<b>Project Location:</b>	534 Waveland Ave.		
<b>Contact</b>	Jeremy Bonacquisti					<b>Project Reference:</b>	MC 3190		
<b>Address:</b>	8787 Burr Oak Rd.					<b>TEM Project:</b>	76345		
	Roscoe	IL	61073-			<b>Analyzed by:</b>	Lori Boersma		
						<b>Date Analyzed:</b>	4/22/2025		
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 Asphalt Siding	568464	Gray/Black	None Detected	-	-	Cellulose:	70-80	20-30	
02 Attic Insulation	568465	Brown	None Detected	-	-	Cellulose:	90-100	0-10	
03 Drywall	568466	Brown/White	None Detected	-	-	Cellulose:	5-10	87-93	
						Glass:	2-3		
04 12x12 Ceiling Tile	568467	White/Tan	None Detected	-	-	Cellulose:	90-100	0-10	
05 Vinyl Floor - Kit. 1st Layer	568468	White	None Detected	-	-	-	-	80-90	
						Glass:	10-20		
06 Vinyl Floor - Kit. 2nd Layer	568469	Yellow/Brown	Yes	Chrysotile:	20-25	Cellulose:	5-10	65-75	
07 Window Glaze	568470	Tan	Yes	Chrysotile:	5-10	-	-	90-95	

## LABORATORY REPORT

### BULK SAMPLE ASBESTOS EVALUATION BY POLARIZED LIGHT MICROSCOPY METHOD

<b>Client:</b>	Ironwood Environmental	<b>Project Location:</b>	534 Waveland Ave.
<b>Contact</b>	Jeremy Bonacquisti	<b>Project Reference:</b>	MC 3190
<b>Address:</b>	8787 Burr Oak Rd.	<b>TEM Project:</b>	76345
	Roscoe IL 61073-	<b>Analyzed by:</b>	Lori Boersma
		<b>Date Analyzed:</b>	4/22/2025

  

Sample Information			Asbestos Present	Fibrous Materials		Non-Fibrous Materials	
Client Sample ID	Lab ID	Color		Asbestos Fibers		Non-Asbestos Fibers	
Description				Type	Percent	Type	Percent
							Filler Binder
							Comments

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: \_\_\_\_\_



# TEM ENVIRONMENTAL, INC.

ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS  
174 N BRANDON DRIVE | GLENDALE HEIGHTS, ILLINOIS 60139  
630-790-0880 | INFO@TEM-INC.COM

## CHAIN OF CUSTODY FORM

MC 31910

Client: Ironwood Environmental Inc	Date:	TAT	RUSH/WKD	24HR	48HR	72HR	4 DAYS	> 5 DAYS	<input checked="" type="checkbox"/>
Contact: Jeremy Bonacquisti		Project Name/No: 534 Waveland Ave							
Address: 8787 Burr Oak Rd		Results Due by (Date & Time):							
City/State/Zip: Roscoe, IL 61073		TEM Project #: 76345							
Phone: 815-378-6113	Fax: 815-877-5905	NVLAP ID 101130		AIHA-PAT ID 101151		AIHA-AAR ID 101151			
Email: Ironwoodenv@aol.com									

Comments:

PO/Quote#:

Client ID No.	Description	Sample Volume												Comments
			Bulk	Poin	Grav	Air-1	Air-2	Bulk	Cha	Wa	Mic	PCN	Oth	
1	Asph. 1st Asph. 2nd Pr. wall 12 x 42 ✓ flr kitchen 1st layer " " " 2nd layer hiring		✓											
2		✓												
3		✓												
4		✓												
5		✓												
6		8	✓											
7			✓											
8			✓											
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