



# MATRIX

Health & Safety Consultants, L.L.C.

January 30, 2023

Graham County  
196 Knight Street  
Robbinsville, North Carolina 28771

Attention: Jason Marino

Subject: Sampling to Identify Asbestos-Containing Materials  
243 Orr Branch Road  
Robbinsville, NC 28771  
Matrix Job Number: 230163

Dear Mr. Marino:

Matrix Health and Safety Consultants, L.L.C. (Matrix) is pleased to present this report of the survey to identify asbestos-containing materials at the referenced project site. This report presents known project information, survey procedures and survey results.

Matrix understands the residence is scheduled for renovations in the near future. In order to facilitate the renovations, Matrix performed a survey to determine the existence of asbestos-containing materials.

## **SURVEY PROCEDURES**

The survey was performed on January 20, 2023, by Matrix's Inspector Britt Wester (North Carolina Asbestos Inspector No. 10847). The survey began with a walk-through of the residence observing accessible areas for the presence of suspect asbestos-containing materials. Both friable and nonfriable suspect asbestos-containing materials were considered during the course of the survey. Friable materials are those materials which can be pulverized or reduced to powder by hand pressure. A sampling strategy was determined and bulk samples of suspect ACM were obtained. Suspect ACM's were grouped based on material homogeneity. A homogeneous area is an area which contains materials that seem by texture, color and wear to be uniform and applied during the same general time period.

To determine the presence or absence of asbestos content in the suspect materials, samples were collected and transported to Scientific Analytical Institute, Inc. located in Greensboro, North Carolina under chain-of-custody documentation for laboratory analysis. The collected samples were placed into individual sample containers, sealed and a unique identification number was assigned to the sample container at the time of collection. The identification included the sample collection date and location. This information was logged on our Asbestos Bulk Sampling Record and submitted to the laboratory.

## **ANALYSIS PROCEDURES AND RESULTS**

The collected asbestos samples were analyzed using Polarized Light Microscopy (PLM) in conjunction with dispersion staining techniques using EPA Method 600/M4-82-020 and EPA Method 600/R93/116 per 40 CFR 763.

The bulk laboratory analysis provided the asbestos content (positive or negative), percentage of asbestos, asbestos type and identification of other non-asbestos fibers. A material is considered to be asbestos-containing if greater than 1% asbestos is found in the material.

**Asbestos-Containing Material Inspection Summary**

<b>SAMPLE NUMBER</b>	<b>MATERIAL</b>	<b>GENERAL LOCATION (And Estimated Quantity)</b>	<b>TYPE AND PERCENTAGE OF ASBESTOS PRESENT</b>
243-1 243-2	Drywall Ceiling	Throughout (800 sqft)	None Detected
243-3 243-4	12"x12" Floor Tiles	Bathroom (40 sqft)	None Detected
243-5 243-6	Brown Sheet Flooring	Pantry (40 sqft)	None Detected
243-7 243-8	Roofing Shingle	Rooftop (1000 sqft)	None Detected
243-9 243-10	Roofing Felt	Rooftop (1000 sqft)	None Detected
<b>243-11 243-12</b>	<b>Gray Flashing Mastic</b>	<b>Exterior Chimney and Foundation (50 sqft)</b>	<b>5% Chrysotile</b>

Analysis Method: PLM with Dispersion Staining  
 NAD: No Asbestos Detected

The National Emissions Standard for Hazardous Air Pollutants (NESHAP) requires the removal of asbestos-containing materials prior to renovation or demolition activities. Matrix recommends asbestos removal be performed by a qualified asbestos abatement contractor, using North Carolina accredited personnel, in accordance with applicable federal and state regulations governing the removal of asbestos-containing materials.

OSHA regards materials with any amount of asbestos to be a potential exposure hazard if the material is disturbed. Therefore, work practices specified in the OSHA Standard (CFR 29 1926.1101) must be followed if the materials are disturbed, removed or demolished. Proper training, hazard communication and personal protection measures are also required as specified in the OSHA Standards.

This report summarizes Matrix's evaluation of the conditions observed at the subject storage room during the course of the survey. Our findings are based upon our observations at the storage room and analyses of the samples obtained at the time of this survey. Additional asbestos-containing materials may exist (undetected) in other portions of the target rooms due to inaccessibility or due to an undetectable change in materials. Any conditions discovered which deviate from the data contained in this report should be presented to us for our evaluation.

Matrix appreciates the opportunity to have provided these services. We would be glad to discuss any of the results contained in this report, at your convenience. If there are any questions concerning this report or results, please contact us.

*Sampling to Identify Asbestos-Containing Materials*  
243 Orr Branch Road  
Robbinsville, North Carolina

*January 30, 2023*

Sincerely,  
**MATRIX HEALTH AND SAFETY CONSULTANTS, L.L.C.**



C. Britt Wester, CIH  
Principal

Attachments: Laboratory Analysis Report

# **Laboratory Analysis Report**



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Matrix Health & Safety Consultants  
2900-B Yonkers Rd.  
Raleigh, NC 27604

**Attn:** Britt Weiter

**Lab Order ID:** 10014654

**Analysis:** PLM

**Date Received:** 01/24/2023

**Date Reported:** 01/25/2023

**Project:** 243 ORR Branch Rd.

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
243-1	Drywall ceiling	None Detected	3% Cellulose	97% Other	Gray Non-Fibrous Homogeneous
10014654_0001					Dissolved
243-2	Drywall ceiling	None Detected	3% Cellulose	97% Other	Gray Non-Fibrous Homogeneous
10014654_0002					Dissolved
243-3	12x12 floor tiles	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10014654_0003					Ashed
243-4	12x12 floor tiles	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10014654_0004					Ashed
243-5	Brown sheet floor	None Detected	10% Cellulose	90% Other	Brown Fibrous Homogeneous
10014654_0005					Ashed
243-6	Brown sheet floor	None Detected	10% Cellulose	90% Other	Brown Fibrous Homogeneous
10014654_0006					Ashed
243-7	Roofing shingle	None Detected	5% Fiber Glass	95% Other	Brown Non-Fibrous Homogeneous
10014654_0007					Ashed
243-8	Roofing shingle	None Detected	5% Fiber Glass	95% Other	Brown Non-Fibrous Homogeneous
10014654_0008					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Kiersten Smith (12)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
243-9	Felt paper	None Detected	20% Cellulose	80% Other	Black Fibrous Homogeneous
10014654_0009					Ashed
243-10	Felt paper	None Detected	20% Cellulose	80% Other	Black Fibrous Homogeneous
10014654_0010					Ashed
243-11	Chimney flashing mastic	5% Chrysotile		95% Other	Black Non-Fibrous Homogeneous
10014654_0011					Ashed
243-12	Chimney flashing mastic	5% Chrysotile		95% Other	Black Non-Fibrous Homogeneous
10014654_0012					Ashed

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