

# Certificate of Laboratory Analysis

## Test Method, Polarized Light Microscopy (PLM)

Project : Calumet Fire



**Report To:**

Mr. Joseph Scanlan  
EGLE  
1504 West Washington St.  
Marquette, MI 49855

ARI Report # 21-94687  
Date Collected: 06/08/21  
Date Received: 06/14/21  
Date Analyzed: 06/14/21  
Date Reported: 06/14/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 01 Cust. #: C1 Material: Plaster/Finish Coat Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%
Lab ID #: 94687 - 01a Cust. #: C1 Material: Base Coat Location: Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: <b>YES</b> Chrysotile - 2%	Other - 98%
Lab ID #: 94687 - 02 Cust. #: C2 Material: Vinyl Floor Tile Location: Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: <b>YES</b> Chrysotile - 30%	Cellulose - 5% Other - 65%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 03 Cust. #: C3 Material: Insulation Board Location: Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 40% Mineral Wool - 5% Fiberglass - 25% Other - 30%
Lab ID #: 94687 - 04 Cust. #: C4 Material: Plaster/Finish Coat Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%
Lab ID #: 94687 - 04a Cust. #: C4 Material: Base Coat Location: Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: <b>YES</b> Chrysotile - 2%	Other - 98%

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NVLAP Lab Code 102118-0

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Lab ID #: 94687 - 05 Cust. #: C5 Material: Roofing Material Location: Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: <b>YES</b> Chrysotile - 2%	Cellulose - 25% Other - 73%
Lab ID #: 94687 - 06 Cust. #: C6 Material: Cement 1 Location: Appearance: beige, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%
Lab ID #: 94687 - 06a Cust. #: C6 Material: Cement 2 Location: Appearance: grey, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 07 Cust. #: C7 Material: Plaster Location: Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 94687 - 08 Cust. #: C8 Material: Asphalt Felt Roofing Location: Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 94687 - 09 Cust. #: C9 Material: Unknown Material Location: Appearance: beige, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 10 Cust. #: C10 Material: Asphalt Siding Location: Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 94687 - 11 Cust. #: C11 Material: Wallboard Location: Appearance: grey, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 94687 - 12 Cust. #: C12 Material: Plaster/Finish Coat Location: Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 12a Cust. #: C12 Material: Base Coat Location: Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Hair - 2% Other - 98%
Lab ID #: 94687 - 13 Cust. #: C13 Material: Cement/Plaster-White Location: Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%
Lab ID #: 94687 - 13a Cust. #: C13 Material: Cement/Plaster-Beige Location: Appearance: beige, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 14 Cust. #: C14 Material: Vermiculite Location: Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>YES</b> Actinolite - 2%	Fiberglass - 5% Vermiculite - 88% Other - 5%
Lab ID #: 94687 - 15 Cust. #: C15 Material: Plaster/Finish Coat Location: Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%
Lab ID #: 94687 - 15a Cust. #: C15 Material: Base Coat Location: Appearance: grey, fibrous, homogenous Layer: 2 of 2	Asbestos Present: <b>YES</b> Chrysotile - 2%	Hair - 2% Other - 96%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 16 Cust. #: C16 Material: Unknown Material Location: Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 94687 - 17 Cust. #: C17 Material: Plaster F/Metal Mesh Location: Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>YES</b> Chrysotile - 2%	Other - 98%
Lab ID #: 94687 - 18 Cust. #: C18 Material: Plaster Location: Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 5% Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 19 Cust. #: C19 Material: Transite Location: Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>YES</b> Chrysotile - 15%	Other - 85%
Lab ID #: 94687 - 20 Cust. #: C20 Material: Juke Location: Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID #: 94687 - 21 Cust. #: C21 Material: Drywall Location: Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 22 Cust. #: C22 Material: Unknown Location: Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID #: 94687 - 23 Cust. #: C23 Material: Felt Location: Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 94687 - 24 Cust. #: C24 Material: Vinyl Tile/FT Location: Appearance: brown, fibrous, homogenous Layer: 1 of 2	Asbestos Present: <b>YES</b> Chrysotile - 5%	Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 24a Cust. #: C24 Material: Mastic Location: Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%
Lab ID #: 94687 - 25 Cust. #: C25 Material: Roofing Material Location: Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID #: 94687 - 26 Cust. #: C26 Material: Transite Location: Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: <b>YES</b> Chrysotile - 15%	Other - 85%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94687 - 27 Cust. #: C27 Material: Vermiculite Location: Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Hair - 2% Other - 98%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
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