ASBESTOS SAMPLING REPORT
Lafayette Connector
400 Mudd Ave., 425 Sampson St., & 212 First St.
Lafayette, LA

Prepared for:
Louisiana Department of
Transportation and Development
Right of Way Division
P.O. Box 3648
Lafayette, Louisiana

Prepared on:
October 22, 2021

SEMS Project #553-0032

Prepared by:
Ioannis Petikas
Industrial Hygiene Division Manager
ASBESTOS INSPECTION REPORT

Lafayette Connector
400 Mudd Ave., 425 Sampson St., & 212 First St.
Lafayette, Louisiana

October 22, 2021

Prepared for

Louisiana Department of
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Right of Way Division
P.O. Box 3648
Lafayette, Louisiana

By

SEMS Inc.

1725 N. Hearne Avenue, Building F
Shreveport, Louisiana 71107
(318) 779-0763

SEMS Field Inspector:  Report Written & Submitted By:

Austin Leopold  Ioannis Petikas
Certified Asbestos Inspector #21189864  Industrial Hygiene Division Manager
1.0 INTRODUCTION

Southern Environmental Management and Specialties (SEMS) was retained by the Louisiana Department of Transportation and Development to conduct asbestos sampling at the properties located at 400 Mudd Avenue, 425 Sampson Street, and 212 First Street in Lafayette, Louisiana.

SEMS completed the following scope of work:

➢ Completed an asbestos inspection of the structures to determine the presence and extent of asbestos-containing materials;

➢ Conducted the asbestos inspection survey in accordance with all applicable federal and state regulations;

➢ Submitted a comprehensive asbestos survey report

2.0 PROCEDURE

Bulk samples were taken from suspected asbestos-containing materials from the areas requested to be sampled and sent to CA Labs for analysis. Asbestos can only be positively identified using microscopical techniques. The samples collected in this survey were analyzed using Polarized Light Microscopy (PLM).

3.0 SAMPLE ANALYSIS

During the inspection, a total of forty-eight (48) samples, with layers, were taken. Located in Appendix A are photographs of the homogenous materials sampled during the inspection.

The analysis procedure followed for asbestos determination was conducted following EPA guidelines and Method 600/R-93/116. Based on these guidelines, suspect materials are not considered asbestos-containing materials (ACM) if the results of the samples collected are determined to have asbestos in amounts of 1% or less. Those materials analyzed and determined to contain greater than 1% are considered ACM.
### 4.0 SAMPLE RESULTS

The table below summarizes the sample results from the analysis. Any samples in bold red indicate positive identification of greater than 1% asbestos containing.

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Material Description</th>
<th>Location</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>DO-21-286-001</td>
<td>Black shingle, black tar</td>
<td>Exterior – NW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-002</td>
<td>Black shingle, black tar</td>
<td>Exterior – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-003</td>
<td>Black shingle, black tar</td>
<td>Exterior – SW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-004</td>
<td>Sheetrock, compound, tape</td>
<td>Teller’s Desk – SW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-005</td>
<td>Sheetrock, compound, tape</td>
<td>Office area – NE</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-006</td>
<td>Sheetrock, compound, tape</td>
<td>Breakroom – SW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-007</td>
<td>Floor tile, yellow mastic</td>
<td>Lobby – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-008</td>
<td>Floor tile, yellow mastic</td>
<td>Lobby – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-009</td>
<td>Floor tile, yellow mastic</td>
<td>Lobby – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-010</td>
<td>Floor tile, yellow mastic</td>
<td>North Storage – NE</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-011</td>
<td>Floor tile, yellow mastic</td>
<td>Bathroom – NW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-012</td>
<td>Floor tile, yellow mastic</td>
<td>Bathroom – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-013</td>
<td>Ceiling tile – rough</td>
<td>Lobby – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-014</td>
<td>Ceiling tile – rough</td>
<td>Office area – South</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-015</td>
<td>Ceiling tile – rough</td>
<td>Break room – SE</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-016</td>
<td>Ceiling tile – smooth</td>
<td>South Storage – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-017</td>
<td>Ceiling tile – smooth</td>
<td>South Storage – South</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-018</td>
<td>Ceiling tile – smooth</td>
<td>South Storage – East</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-001</td>
<td>Ceiling tile</td>
<td>Master Bedroom – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-002</td>
<td>Ceiling tile</td>
<td>Master Bedroom – Center</td>
<td>None Detected</td>
</tr>
<tr>
<td>Sample ID</td>
<td>Material Description</td>
<td>Location</td>
<td>Result</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------------</td>
<td>------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>SA-21-287-003</td>
<td>Ceiling tile</td>
<td>Bathroom</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-004</td>
<td>Sheetrock and compound</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-005</td>
<td>Sheetrock and compound</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-006</td>
<td>Sheetrock and compound</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-007</td>
<td>Linoleum and brown mastic</td>
<td>Living room – South</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-008</td>
<td>Linoleum and brown mastic</td>
<td>Living room – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-009</td>
<td>Linoleum and brown mastic</td>
<td>Living room – East</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-010</td>
<td>Linoleum and yellow mastic</td>
<td>Addition closet</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-011</td>
<td>Linoleum and yellow mastic</td>
<td>Addition closet</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-012</td>
<td>Linoleum and yellow mastic</td>
<td>Addition closet</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-001</td>
<td>Ceiling tile</td>
<td>Living room</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-002</td>
<td>Ceiling tile</td>
<td>Sitting room</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-003</td>
<td>Ceiling tile</td>
<td>Front Bedroom</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-004</td>
<td>Sheetrock, compound, tape</td>
<td>Foyer – NW</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-005</td>
<td>Sheetrock, compound, tape</td>
<td>Sitting room – SE</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-006</td>
<td>Sheetrock, compound, tape</td>
<td>Front Bedroom – NW</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-007</td>
<td>Linoleum and yellow mastic</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-008</td>
<td>Linoleum and yellow mastic</td>
<td>Kitchen – NE</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-009</td>
<td>Linoleum and yellow mastic</td>
<td>Kitchen – East</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-010</td>
<td>Linoleum and tan mastic</td>
<td>Master Bathroom – North</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-011</td>
<td>Linoleum and tan mastic</td>
<td>Master Bathroom – North</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-012</td>
<td>Linoleum and tan mastic</td>
<td>Master Bathroom – South</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-013</td>
<td>Linoleum and tan mastic</td>
<td>Hall Bath – North</td>
<td>23% Chrysotile</td>
</tr>
</tbody>
</table>
### Sample ID | Material Description | Location | Result
---|---|---|---
FS-21-287-014 | Linoleum and tan mastic | Hall Bath – North | 23% Chrysotile
FS-21-287-015 | Linoleum and tan mastic | Hall Bath – South | 23% Chrysotile
FS-21-287-016 | Fibrous insulation | Attic above Living room | None Detected
FS-21-287-017 | Fibrous insulation | Attic above Living room | None Detected
FS-21-287-018 | Fibrous insulation | Attic above Living room | None Detected

From the results above, the sheetrock compound and two different linoleum floors are positive for asbestos at 212 First Street. None of the samples collected at 400 Mudd Avenue or 425 Sampson Street are positive for asbestos.

Because the structure is to be demolished, SEMS recommends the following:

- **Floor Tile & Mastic**

  The floor tile and mastic are Category I non-friable asbestos-containing materials. The floor tile and mastic would need to be removed by a licensed abatement contractor prior to demolition.

- **Texture Material and Joint Compound (Walls & Ceilings)**

  The texture material and joint compound are Category I non-friable asbestos-containing materials. This material will have to be removed by a licensed abatement contractor prior to demolition.

Copies of the laboratory analytical results are included in Appendix B. Sample location drawings are included in Appendix C and the inspector’s certification certificate is included in Appendix D.

### 5.0 STANDARD OF CARE

Services performed by SEMS are conducted in a manner consistent with state-of-the-industry practices, recognizing that even the most comprehensive sampling may not detect all the areas exceeding the evaluation criteria in the structure/building. Therefore, SEMS cannot act as an insurer or certify that the site is free of asbestos. No expressed or implied representation or warranty is included, except that the services were performed within the limit of the scope of work authorized by the client and the encountered site conditions.

### 6.0 APPENDICES

A. Photographs
B. Laboratory Analytical Results
C. Sample Location Drawings
D. Certifications
APPENDIX A
PHOTOGRAPHS
<table>
<thead>
<tr>
<th>400 Mudd Ave – North Storage</th>
<th>400 Mudd Ave - HM 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 Mudd Ave - HM 2</td>
<td>400 Mudd Ave - HM 3</td>
</tr>
<tr>
<td>400 Mudd Ave - HM 4</td>
<td>400 Mudd Ave - HM 5</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>400 Mudd Ave - HM 6</td>
<td>425 Sampson St – Front</td>
</tr>
</tbody>
</table>
425 Sampson St - Side

425 Sampson St – Living Room

425 Sampson St - Kitchen

425 Sampson St – Bedroom 1
425 Sampson St – Bedroom 1 Bathroom

425 Sampson St – Master Bathroom

425 Sampson St – Master Bedroom

425 Sampson St - Addition
LA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
ASBESTOS INSPECTION – LAFAYETTE CONNECTOR
LAFAYETTE, LOUISIANA
OCTOBER 19, 2021

425 Sampson St – HM 1

425 Sampson St – HM 2

425 Sampson St – HM 3

425 Sampson St – HM 4
<table>
<thead>
<tr>
<th>212 First St – Foyer</th>
<th>212 First St – Living room</th>
</tr>
</thead>
<tbody>
<tr>
<td>212 First St - Kitchen</td>
<td>212 First St – Master bedroom</td>
</tr>
<tr>
<td>212 First St – Master Bathroom</td>
<td>212 First St – Sitting room</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>212 First St – Hall Bath</td>
<td>212 First St – Front Bedroom</td>
</tr>
</tbody>
</table>
APPENDIX B
ANALYTICAL DATA
**Chain of Custody**

| Client Name: | SEMS, Inc. | CA Labs job #: | CBR 211 | 11112 |
| Client Address: | 1725 N. Bearne Ave. | Billing Address: | SEMS, Inc. | 11628 S. Choctaw Drive |
| Building F | (if different) | Baton Rouge, LA 70815 |
| Shreveport, LA 71107 | | 225-924-2002 |
| phone number: | 318-799-0763 | Send Reports to: |
| fax number: | 225-924-2004 | | L. F. First, A. L. Lafitte |
| Project Number: | 533-0032 | Project Name: |
| Contact: | Ioannis Petkas | Reports Results VIA: |
| Total # Samples Submitted: | 1 | EMAIL, FAX, VERBAL |
| Total # Samples to be Analyzed: | 1 | |
| Material Matrix: | Air / Bulk / Water |

Asbestos: *please call ahead for availability of all rush and/or after hours samples.*

<table>
<thead>
<tr>
<th>TEM</th>
<th>TA Time</th>
<th>PLM</th>
<th>TA Time</th>
<th>Optical / IAQ</th>
<th>TA Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle analysis and TA time</td>
<td>Circle analysis and TA time</td>
<td>2 hour</td>
<td>Allergen Particle:</td>
<td>2 hour</td>
<td></td>
</tr>
<tr>
<td>AHERA</td>
<td>4 hour</td>
<td>Interim</td>
<td>4 hour</td>
<td>tape/bulk/swab</td>
<td>4 hour</td>
</tr>
<tr>
<td>EPA Level II</td>
<td>8 hour</td>
<td>Improved</td>
<td>3 hour</td>
<td>Cycllex-D cassettes</td>
<td>8 hour</td>
</tr>
<tr>
<td>Drinking Water</td>
<td>16 hour</td>
<td></td>
<td>16 hour</td>
<td>Air-o-cell cassettes</td>
<td>16 hour</td>
</tr>
<tr>
<td>Wipe</td>
<td>24 hour</td>
<td>AHERA</td>
<td>24 hour</td>
<td>Anderson cultures</td>
<td>24 hour</td>
</tr>
<tr>
<td>Micro-vac</td>
<td>2 days</td>
<td></td>
<td>2 days</td>
<td>Bulk/swab cultures</td>
<td>2 days</td>
</tr>
<tr>
<td>NIOSH 7402</td>
<td>3 days</td>
<td>Point Count -</td>
<td>3 days</td>
<td>Bacteria cultures</td>
<td>3 days</td>
</tr>
<tr>
<td>Chattfield Bulk</td>
<td>5 days</td>
<td>(NESHAPS)</td>
<td>5 days</td>
<td>PCM: NIOSH 7400</td>
<td>5-10 days</td>
</tr>
</tbody>
</table>

**Lead:**

<table>
<thead>
<tr>
<th>Matrix:</th>
<th>Paint Chips</th>
<th>Soil</th>
<th>Air</th>
<th>Wipes</th>
<th>Wastewater</th>
<th>TCLP</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA Time:</td>
<td>8 hour</td>
<td>1 day</td>
<td>2 days</td>
<td>3 days</td>
<td>5 days</td>
<td>6-10 days</td>
</tr>
</tbody>
</table>

**Sample Information:**

<table>
<thead>
<tr>
<th>Sample Number:</th>
<th>Sample Location:</th>
<th>Sample Date/Time:</th>
<th>Sample Volume (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>see attached sample log</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Custody Information:**

Samples relinquished: 10-14-61 17:10

Signature / Date / Time

Samples received: 10-14-61 17:10

Signature / Date / Time

Samples relinquished: 10-14-61 17:10

Signature / Date / Time

Samples received: 10-14-61 17:10

Signature / Date / Time
<table>
<thead>
<tr>
<th>Location</th>
<th>Category</th>
<th>Assesment</th>
<th>Readily</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Bath</td>
<td>N</td>
<td>E</td>
<td>NE</td>
<td>Kitchen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Front Bedroom</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Living Room</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S. Tubs Room</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Powder Room</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Front Bedroom</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S. Tubs Room</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Living Room</td>
</tr>
</tbody>
</table>

**Location:** 212 E. First St.

**Date:** 1-25-2012

**Page:** 4 of 4
<table>
<thead>
<tr>
<th>Location</th>
<th>Assessment</th>
<th>Category</th>
<th>Failing Category</th>
<th>Material Description</th>
<th>Sample ID</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Asbestos Inspection Log**
Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and/or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.
# Overview of Project Sample Material Containing Asbestos

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>List of Affected Building Material Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-21-287-004</td>
<td>004-1</td>
<td>Tan Surfaced Tan Compound</td>
<td>3% Chrysotile</td>
<td>Tan Surfaced Tan Compound</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tan Compound (beneath tape)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yellow Surfaced Tan Compound</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yellow Linoleum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tan Linoleum</td>
</tr>
<tr>
<td>FS-21-287-004-2</td>
<td>004-2</td>
<td>Tan Compound (beneath tape)</td>
<td>3% Chrysotile</td>
<td>Tan Linoleum</td>
</tr>
<tr>
<td>FS-21-287-005</td>
<td>005-1</td>
<td>Yellow Surfaced Tan Compound</td>
<td>3% Chrysotile</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-006-2</td>
<td>006-2</td>
<td>Tan Compound (beneath tape)</td>
<td>3% Chrysotile</td>
<td></td>
</tr>
<tr>
<td>FS-21-287-010</td>
<td>010-1</td>
<td>Yellow Linoleum</td>
<td>23% Chrysotile</td>
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<tr>
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<td>011-1</td>
<td>Yellow Linoleum</td>
<td>23% Chrysotile</td>
<td></td>
</tr>
</tbody>
</table>

**Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):**

- **ca** - carbonate
- **gypsum**
- **bi** - binder
- **or** - organic
- **ma** - matrix
- **mi** - mica
- **ve** - vermiculite
- **ot** - other
- **pe** - perlite
- **qu** - quartz
- **fg** - fiberglass
- **mw** - mineral wool
- **wo** - wollastonite
- **ta** - talc
- **sy** - synthetic
- **ce** - cellulose
- **br** - brucite
- **ka** - kaolin (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.
Overview of Project Sample Material Containing Asbestos

<table>
<thead>
<tr>
<th>Customer Project:</th>
<th>CA Labs Project #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>212 First St. Lafayette</td>
<td>CBR21107112</td>
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<table>
<thead>
<tr>
<th>Sample #</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>List of Affected Building Material Types</th>
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<tbody>
<tr>
<td>FS-21-287-012</td>
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<td>FS-21-287-015</td>
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<td>Tan Linoleum</td>
<td>23% Chrysotile</td>
<td></td>
</tr>
</tbody>
</table>

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):
- ca: carbonate
- gypsum: gypsum
- br: binder
- or: organic
- mi: mica
- ve: vermiculite
- ot: other
- pe: perlite
- qu: quartz
- fg: fiberglass
- mw: mineral wool
- wo: wollastonite
- ta: talc
- sy: synthetic
- ce: cellulose
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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Ioannis Petikas
SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815

Customer Project: CA Labs Project #:
212 First St. Lafayette
CBR21107112

Phone #: 225-924-2002
Fax #: 225-924-2004

Turnaround Time:
24 Hours

Date:
10/15/2021

Samples Received:
10/15/2021

Date Of Sampling:
10/14/2021

Purchase Order #:
533-0032

---

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-21-287-001</td>
<td>001-1</td>
<td>White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,ca,bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>001-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-002</td>
<td>002-1</td>
<td>White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,ca,bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>002-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-003</td>
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<td>White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,ca,bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>003-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-004</td>
<td>004-1</td>
<td>Tan Surfaced Tan Compound</td>
<td>N</td>
<td>3% Chrysotile</td>
<td>97% mi,bi,ca</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

Chris Williams
Analyst

Alicia Stretz
Senior Analyst

Chris Williams
Laboratory Director

---

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages affecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested
## Polarized Light Asbestiform Materials Characterization

### Customer Info
**SEMS, Inc**  
11628 S Choctaw Drive  
Baton Rouge, LA 70815

**Contact:** Ioannis Petikas  
**Phone:** 225-924-2002  
**Fax:** 225-924-2004

### Customer Project Information
- **Customer Project:** 212 First St. Lafayette
- **CA Labs Project #:** CBR21107112
- **Turnaround Time:** 24 Hours
- **Date:** 10/15/2021
- **Samples Received:** 10/15/2021
- **Date Of Sampling:** 10/14/2021
- **Purchase Order #:** 533-0032

### Laboratory Information
- **Laboratory Director:** Chris Williams
- **Senior Analyst:** Alicia Stretz
- **Analyst:** Alicia Stretz

### Analysis Method
- **Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)**
- **Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

### Sample Descriptions

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>004-2</td>
<td>Tan Compound (beneath tape)</td>
<td>Y</td>
<td>3% Chrysotile</td>
<td>97% mi,ca</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>004-3</td>
<td>White Drywall with Paper</td>
<td>N</td>
<td>None Detected</td>
<td>10% ce</td>
<td>90% qu,gy</td>
<td></td>
<td></td>
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<tr>
<td>FS-21-287-005</td>
<td>Yellow Surfaced Tan Compound</td>
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<td>3% Chrysotile</td>
<td>97% mi,bi,ca</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>005-2</td>
<td>Tan Compound (beneath tape)</td>
<td>Y</td>
<td>3% Chrysotile</td>
<td>97% mi,ca</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>005-3</td>
<td>White Drywall with Paper</td>
<td>N</td>
<td>None Detected</td>
<td>10% ce</td>
<td>90% qu,gy</td>
<td></td>
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</tr>
<tr>
<td>FS-21-287-006</td>
<td>Tan Surfacd Tan Compound</td>
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<td>3% Chrysotile</td>
<td>97% mi,bi,ca</td>
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<td></td>
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<tr>
<td>006-2</td>
<td>Tan Compound (beneath tape)</td>
<td>Y</td>
<td>3% Chrysotile</td>
<td>97% mi,ca</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Approved Signatories
- **Chris Williams**  
  Analyst  
  **Ioannis Petikas**  
  CA Labs Project #:
- **Alicia Stretz**  
  Senior Analyst
- **Chris Williams**  
  Laboratory Director

---

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Polarized Light Asbestiform Materials Characterization

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<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
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</thead>
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<tr>
<td>006-3</td>
<td>White Drywall with Paper</td>
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<td>None Detected</td>
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<td>10% ce</td>
<td>90% qu,gy</td>
<td></td>
</tr>
<tr>
<td>FS-21-287-007</td>
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<td></td>
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<td>80% qu,ma</td>
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<tr>
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<td>80% qu,ma</td>
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<tr>
<td>FS-21-287-009</td>
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<td></td>
<td>Yellow Linoleum</td>
<td>Y</td>
<td>None Detected</td>
<td>20% ce</td>
<td>80% qu,ma</td>
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<tr>
<td>009-2</td>
<td>Tan Mastic</td>
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<td>FS-21-287-009</td>
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<td>20% ce</td>
<td>80% qu,ma</td>
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<td>009-2</td>
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<td>100% qu.bi</td>
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Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

Chris Williams
Senior Analyst
Alicia Stretz
Laboratory Director

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Customer Info: Attn: Ioannis Petikas
SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815

Customer Project: CA Labs Project #:
212 First St. Lafayette
CBR21107112

Turnaround Time: Date: 24 Hours
Date Of Sampling: 10/15/2021

Samples Received: Date: 10/14/2021
Purchase Order #: 533-0032

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Polarized Light Asbestiform Materials Characterization

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<th>Non-fibrous type / percent</th>
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<td>77% qu,ma</td>
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<td>77% qu,ma</td>
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</table>

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Approved Signatories:

Chris Williams
Senior Analyst
Alicia Stretz
Laboratory Director

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Polarized Light Asbestiform Materials Characterization

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<th>CA Labs Project #:</th>
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<td>CBR21107112</td>
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<td>11628 S Choctaw Drive</td>
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</tr>
<tr>
<td>Baton Rouge, LA 70815</td>
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</tr>
<tr>
<td>Phone #</td>
<td>225-924-2002</td>
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<tr>
<td>Fax #</td>
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<tr>
<th>Sample #</th>
<th>Com ment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
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<tr>
<td>4</td>
<td>013-2</td>
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<td>014-1</td>
<td>Tan Linoleum</td>
<td>Y 23% Chrysotile</td>
<td>77% qu,ma</td>
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<td></td>
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<tr>
<td>4</td>
<td>014-2</td>
<td>Tan Mastic</td>
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<td>Tan Linoleum</td>
<td>Y 23% Chrysotile</td>
<td>77% qu,ma</td>
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<tr>
<td>4</td>
<td>015-2</td>
<td>Tan Mastic</td>
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<td>100% fg</td>
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<td>Brown Fibrous Insulation</td>
<td>Y None Detected</td>
<td>100% fg</td>
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</tbody>
</table>

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

Chris Williams
Senior Analyst
Alicia Stretz
Laboratory Director

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

CA Labs
Dedicated to Quality

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
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6. Anthophyllite in association with Fibrous Talc
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1%. Result point counted positive
10. TEM analysis suggested
Polarized Light Asbestiform Materials Characterization

Customer Info: SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815

Attn: Ioannis Petikas

Customer Project: 212 First St. Lafayette

CA Labs Project #: CBR21107112

Turnaround Time: 24 Hours

Date: 10/15/2021

Samples Received: 10/15/2021

Date Of Sampling: 10/14/2021

Purchase Order #: 533-0032

---

FS-21-287-018

018-1 Brown Fibrous Insulation

Y None Detected 100% fg

---

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

Chris Williams
Analyst

Senior Analyst Alicia Stretz
Laboratory Director Chris Williams

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10. TEM analysis suggested
# Chain of Custody

**Client Name:** SEMS, Inc.  
**Client Address:** 1725 N. Hearne Ave. Building F  
Shreveport, LA 71107  
**Phone Number:** 318-799-0763  
**Fax Number:** 225-924-2004  
**Project Number:** 533-0032  
**Contact:** Ioannis Petikas

**CA Labs Job #:** CBR 21107663  
**Billing Address:** SEMS, Inc.  
11628 S. Choctaw Drive  
Baton Rouge, LA 70815  
**Send Reports to:** Project Name: LeHayHe Connector - 4032 Midda Ave  
**Reports Results VIA:** EMAIL X FAX VERBAL

**Total # Samples Submitted:** 1  
**Total # Samples to be Analyzed:** 1  
**Air / Bulk / Water**

**Asbestos:** please call ahead for availability of all rush and/or after hours samples.

<table>
<thead>
<tr>
<th>TEM</th>
<th>TA Time</th>
<th>PLM</th>
<th>TA Time</th>
<th>Optical / IAQ</th>
<th>TA Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle analysis and TA time</td>
<td></td>
<td>Circle analysis and TA time</td>
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<td></td>
</tr>
<tr>
<td>AHERA</td>
<td>4 hour</td>
<td>Improved</td>
<td>2 hour</td>
<td>Allergen Particle:</td>
<td>2 hour</td>
</tr>
<tr>
<td>EPA Level II</td>
<td>8 hour</td>
<td>Interim</td>
<td>4 hour</td>
<td>tape/bulk/swab</td>
<td>4 hour</td>
</tr>
<tr>
<td>Drinking Water</td>
<td>16 hour</td>
<td></td>
<td>8 hour</td>
<td>Cycles-d cassettes</td>
<td>8 hour</td>
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<tr>
<td>Wipe</td>
<td>24 hour</td>
<td>AHERA</td>
<td>16 hour</td>
<td>Air-o-cell cassettes</td>
<td>16 hour</td>
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<tr>
<td>Micro-vac</td>
<td>2 days</td>
<td>Point Count</td>
<td>2 days</td>
<td>Anderson cultures</td>
<td>24 hour</td>
</tr>
<tr>
<td>NIOSH 7402</td>
<td>3 days</td>
<td>PCM: NESHAPS</td>
<td>3 days</td>
<td>Bulk/swab cultures</td>
<td>2 days</td>
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<tr>
<td>Chattfield Bulk</td>
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<td>(NESHAPS)</td>
<td>5 days</td>
<td>Bacteria cultures</td>
<td>3 days</td>
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**Lead: Circle analysis and TA time**

**Matrix:** Paint Chips  
**TA Time:** 8 hour  
**Soil**  
**TA Time:** 1 day  
**Air**  
**TA Time:** 2 days  
**Wipes**  
**TA Time:** 3 days  
**Wastewater**  
**TA Time:** 5 days  
**TCLP**  
**TA Time:** 6-10 days

**Sample Information:**

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Sample Date/Time</th>
<th>Sample Volume (L)</th>
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<tbody>
<tr>
<td></td>
<td>Site attached Sample log</td>
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</table>

**Custody Information:**

Samples relinquished: 
Signature / Date / Time: [Signature]

Samples received: [Signature] 10-13-2021
<table>
<thead>
<tr>
<th>Location</th>
<th>Category</th>
<th>Assessment</th>
<th>Freibility</th>
<th>Material Description</th>
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</thead>
<tbody>
<tr>
<td>Nth St. NE</td>
<td>4</td>
<td>1/2&quot; x 1/2&quot; Floor Tile</td>
<td>4</td>
<td>010</td>
</tr>
<tr>
<td>Lobby Nth W</td>
<td>3</td>
<td>1/2&quot; x 1/2&quot; Floor Tile</td>
<td>4</td>
<td>00</td>
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<tr>
<td>1st flr. S &amp; W</td>
<td>2</td>
<td>Structural Wood Floor</td>
<td>2</td>
<td>02</td>
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<tr>
<td>2nd flr. N</td>
<td>1</td>
<td>Roofing</td>
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<td>00-12-26</td>
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**ASBESTOS INSPECTION LOG**
<table>
<thead>
<tr>
<th>Location</th>
<th>Assessment</th>
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<th>Fidelity</th>
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<td>East</td>
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<td></td>
<td>1</td>
<td></td>
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<tr>
<td>South</td>
<td></td>
<td></td>
<td>2</td>
<td>Smooth ceiling tile</td>
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</tr>
<tr>
<td>South SW</td>
<td></td>
<td></td>
<td>3</td>
<td>South ceiling tile</td>
<td></td>
</tr>
<tr>
<td>SW</td>
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<td></td>
<td>4</td>
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</tr>
<tr>
<td>Northea West</td>
<td></td>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northea West</td>
<td></td>
<td></td>
<td>6</td>
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<td>Northeast</td>
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<td>Northeast</td>
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<tr>
<td>Facility:</td>
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Date: 10.09.2013

ASBESTOS INSPECTION LOG

GB21101743

Page 2 of 2
Analysis and Method
Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion
Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and/or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

Qualifications
CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.
Overview of Project Sample Material Containing Asbestos

Customer Project: Lafayette Connector 400 Mudd Ave.

CA Labs Project #: CBR21107063

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>List of Affected Building Material Types</th>
</tr>
</thead>
</table>

No Asbestos Detected.

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

- ca - carbonate
- gypsum - gypsum
- bi - binder
- or - organic
- ma - matrix
- mica
- ve - vermiculite
- ot - other
- pe - perlite
- qu - quartz
- fg - fiberglass
- mw - mineral wool
- wo - wollastonite
- ta - talc
- sy - synthetic
- ce - cellulose
- br - brucite
- ka - kaolinite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs’ current terms and sale, condition of sale, including the company’s standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.
# Polarized Light Asbestiform Materials Characterization

## Customer Info
**Attn:** Ioannis Petikas  
**SEMS, Inc**  
11628 S Choctaw Drive  
Baton Rouge, LA 70815  
**Phone #** 225-924-2002  
**Fax #** 225-924-2004

## Customer Project
**CA Labs Project #:** CBR21107063  
**Lafayette Connector**  
400 Mudd Ave.  
**Date:** 10/14/2021  
**Turnaround Time:** 24 hr  
**Samples Received:** 10/13/2021  
**Date Of Sampling:** 10/13/2021  
**Purchase Order #:** 533-0032

## Sample Analysis

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Layer comment</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
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</thead>
<tbody>
<tr>
<td>OO-21-286-001</td>
<td>N</td>
<td>None Detected</td>
<td>15% fg</td>
<td>85% qu, bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OO-21-286-002</td>
<td>Y</td>
<td>None Detected</td>
<td>15% fg</td>
<td>85% qu, bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OO-21-286-003</td>
<td>N</td>
<td>None Detected</td>
<td>15% fg</td>
<td>85% qu, bi</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OO-21-286-004</td>
<td>Y</td>
<td>None Detected</td>
<td>15% fg</td>
<td>85% qu, bi</td>
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<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

## Analysis Method
- Interim (40 CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
- Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

## Approved Signatories
- Zo Andriampenomanana  
  Analyst  
  White Surfaced White  
- Alicia Stretz  
  Senior Analyst  
  Compound  
- Chris Williams  
  Laboratory Director

## Notes
1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1%: Result point counted positive
10. TEM analysis suggested

---

Page 3 of 8
### Polarized Light Asbestiform Materials Characterization

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<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
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<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
</table>

- **White Compound Beneath**
  - 004-2 Tape Y None Detected 100% qu, mi, ca
  - 004-3 White Drywall with Paper N None Detected 10% ce 90% qu, gy
  - O0-21-286-005 White Surfac ed White Compound N None Detected 100% qu, mi, bi, ca
  - 005-2 Tape Y None Detected 100% qu, mi, ca
  - 005-3 White Drywall with Paper N None Detected 10% ce 90% qu, gy
  - O0-21-286-006 White Surfac ed White Compound N None Detected 100% qu, mi, bi, ca
  - 006-2 Tape Y None Detected 100% qu, mi, ca

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

---

Approved Signatories:

Zo Andriampenomanana  
**Senior Analyst**  
Alicia Stretz  
**Laboratory Director**  
Chris Williams
## Polarized Light Asbestiform Materials Characterization

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- **Fax #** 225-924-2004

### Customer Project
- **SEMS, Inc Lafayette Connector**  
- 400 Mudd Ave.

### CA Labs Project #: CBR21107063
- **Date:** 10/14/2021  
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- 10/13/2021

### Date of Sampling:
- 10/13/2021

### Purchase Order #:
- 533-0032

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<tr>
<th>Sample #</th>
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<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
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<tbody>
<tr>
<td>006-3</td>
<td>White Drywall with Paper</td>
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<td>90% qu, gy</td>
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<td>OO-21-286-007</td>
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<tr>
<td>007-1</td>
<td>Gray Floor Tile</td>
<td>Y</td>
<td>None Detected</td>
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<tr>
<td>007-2</td>
<td>Yellow Mastic</td>
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### Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
- Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

---

Approved Signatories:
- Zo Andriampenomanana  
  Analyst
- Senior Analyst  
  Alicia Stretz
- Laboratory Director  
  Chris Williams

---

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8. Favorable scenario for water separation on vermiculite for possible analysis by another method  
9. < 1% Result point counted positive  
10. TEM analysis suggested
Polarized Light Asbestiform Materials Characterization

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<table>
<thead>
<tr>
<th>Sample #</th>
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<th>Non-fibrous type / percent</th>
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<tbody>
<tr>
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<tr>
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<tr>
<td>OO-21-286-012</td>
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<td>100% qu, ma, ca</td>
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<tr>
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<td>100% qu, ma, ca</td>
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</tbody>
</table>

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

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<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>013-2</td>
<td>Tan Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>80% ce</td>
<td>20% qu, ma, pe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OO-21-286-014</td>
<td>014-1 White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu, bi, ca</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>014-2</td>
<td>Tan Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>80% ce</td>
<td>20% qu, ma, pe</td>
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<td>OO-21-286-015</td>
<td>015-1 White Surfacing</td>
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<td>None Detected</td>
<td>100% qu, bi, ca</td>
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<td></td>
</tr>
<tr>
<td>015-2</td>
<td>Tan Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>80% ce</td>
<td>20% qu, ma, pe</td>
<td></td>
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</tr>
<tr>
<td>OO-21-286-016</td>
<td>016-1 White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu, pe, bi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>016-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
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Senior Analyst  
Alicia Stretz  
Laboratory Director  
Chris Williams

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CA Labs, L.L.C.  
12232 Industriplex, Suite 32  
Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634  
NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069
### Polarized Light Asbestiform Materials Characterization

**Customer Info:**  Attn: Ioannis Petikas  
**Customer Project:**  Lafayette Connector  
**CA Labs Project #:**  CBR21107063

**Date:** 10/14/2021  
**24 hr** Turnaround Time:  10/13/2021  
**Samples Received:** 10/13/2021  
**Purchase Order #:**  533-0032

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>OO-21-286-017</td>
<td>017-1</td>
<td>White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu, pe, bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>017-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OO-21-286-018</td>
<td>018-1</td>
<td>White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu, pe, bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>018-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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9. <1%. Result point counted positive  
10. TEM analysis suggested

---

Approved Signatories:

- **Zo Andriampenomanana**  
  Analyst

- **Alicia Stretz**  
  Senior Analyst

- **Chris Williams**  
  Laboratory Director
**Chain of Custody**

**Client Name:** SEMS, Inc.  
**Client Address:** 1725 N. Hearne Ave.  
**Billing Address:** SEMS, Inc.  
**Building F**  
**Shreveport, LA 71107**  
**Baton Rouge, LA 70815**  
**phone number:** 318-799-0763  
**fax number:** 225-924-2004  
**CA Labs Job #:** CBR_2007123  
**Project Number:** 533-0032  
**Project Name:** U25 Samson Ave.  
**Send Reports to:**  
**Reports Results: VIA:** EMAIL X FAX VERBAL  
**Contact:** Ioannis Petikas  
**Total # Samples Submitted:** 12  
**Total # Samples to be Analyzed:** 12  
**Material Matrix:** Air / Bulk / Water

**Asbestos:** please call ahead for availability of all rush and/or after hours samples.

<table>
<thead>
<tr>
<th>TEM</th>
<th>TA Time</th>
<th>PLM</th>
<th>TA Time</th>
<th>Optical / IAQ</th>
<th>TA Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle analysis and TA time</td>
<td>Circle analysis and TA time</td>
<td>2 hour</td>
<td>Allergen Particle: 2 hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AHERA</td>
<td>4 hour</td>
<td>Improved</td>
<td>4 hour</td>
<td>tape/bulk/swab 4 hour</td>
<td></td>
</tr>
<tr>
<td>EPA Level II</td>
<td>8 hour</td>
<td>Interim</td>
<td>8 hour</td>
<td>Cyclex-d cassettes 8 hour</td>
<td></td>
</tr>
<tr>
<td>Drinking Water</td>
<td>16 hour</td>
<td>16 hour</td>
<td>16 hour</td>
<td>Air-o-cell cassettes 16 hour</td>
<td></td>
</tr>
<tr>
<td>Wipe</td>
<td>24 hour</td>
<td>AHERA</td>
<td>24 hour</td>
<td>Anderson cultures 24 hour</td>
<td></td>
</tr>
<tr>
<td>Micro-vac</td>
<td>2 days</td>
<td></td>
<td></td>
<td>Bulk/swab cultures 2 days</td>
<td></td>
</tr>
<tr>
<td>NIOSH 7402</td>
<td>3 days</td>
<td>Point Count -</td>
<td>3 days</td>
<td>Bacteria cultures 3 days</td>
<td></td>
</tr>
<tr>
<td>Chattfield Bulk</td>
<td>5 days</td>
<td>(NESHAPS)</td>
<td>5 days</td>
<td>PCM: NIOSH 7400 5-10 days</td>
<td></td>
</tr>
</tbody>
</table>

**Lead:** Circle analysis and TA time

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Paint Chips</th>
<th>Soil</th>
<th>Air</th>
<th>Wipes</th>
<th>Wastewater</th>
<th>TCLP</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA Time</td>
<td>8 hour</td>
<td>1 day</td>
<td>2 days</td>
<td>3 days</td>
<td>5 days</td>
<td>6-10 days</td>
</tr>
</tbody>
</table>

**Sample Information:**

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Sample Date/Time</th>
<th>Sample Volume (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>See attached sample log</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Custody Information:**

Samples relinquished: [Signature / Date / Time]  
Samples received: [Signature / Date / Time]  
Samples relinquished: [Signature / Date / Time]  
Samples received: [Signature / Date / Time]
Materials Characterization - Bulk Asbestos Analysis

Lab Analysis Report - Polarized Light

Analysis and Method
Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion
Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

Qualifications
CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.
Overview of Project Sample Material Containing Asbestos

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>List of Affected Building Material Types</th>
</tr>
</thead>
</table>

No Asbestos Detected.

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

- ca - carbonate
- gypsum - gypsum
- bi - binder
- or - organic
- ma - matrix
- mica
- ve - vermiculite
- ot - other
- pe - perlite
- qu - quartz
- fg - fiberglass
- mw - mineral wool
- wo - wollastonite
- ta - talc
- sy - synthetic
- ce - cellulose
- br - brucite
- ka - kaolin (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.
### Polarized Light Asbestiform Materials Characterization

**Customer Info:**
SEIMS, Inc  
11628 S Choctaw Drive  
Baton Rouge, LA 70815

**Attn:** Ioannis Petikas

**Customer Project:**
425 Sampson Ave

**CA Labs Project #:**
CBR21107113

**Phone #**
225-924-2002

**Fax #**
225-924-2004

**Date:**
10/18/2021

**Samples Received:**
10/15/2021

**Date Of Sampling:**
10/14/2021

**Purchase Order #:**
533-0032

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<tbody>
<tr>
<td>SA-21-287-001</td>
<td>001-1</td>
<td>White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,ma,bi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| SA-21-287-001 | 001-2 | Gray Ceiling Tile | Y | None Detected | 10% fg 40% ce 50% qu,pe,ma |

| SA-21-287-002 | 002-1 | White Surfacing | Y | None Detected | 100% qu,ma,bi |

| SA-21-287-002 | 002-2 | Gray Ceiling Tile | Y | None Detected | 10% fg 40% ce 50% qu,pe,ma |

| SA-21-287-003 | 003-1 | White Surfacing | Y | None Detected | 100% qu,ma,bi |

| SA-21-287-003 | 003-2 | Gray Ceiling Tile | Y | None Detected | 10% fg 40% ce 50% qu,pe,ma |

| SA-21-287-004 | 004-1 | Tan Surfaced White Compound | N | None Detected | 100% qu,mi,bi,ca |

---

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

John Grout  
Senior Analyst

Alicia Stretz  
Laboratory Director

Chris Williams

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1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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### Polarized Light Asbestiform Materials Characterization

**Customer Info:**

Attn: Ioannis Petikas  
SEMS, Inc  
11628 S Choctaw Drive  
Baton Rouge, LA 70815

**Phone #:** 225-924-2002  
**Fax #:** 225-924-2004

**Sample #** | **Comment** | **Layer #** | **Analysts Physical Description of Subsample** | **Homogeneous (Y/N)** | **Asbestos type / calibrated visual estimate percent** | **Non-asbestos fiber type / percent** | **Non-fibrous type / percent**
--- | --- | --- | --- | --- | --- | --- | ---
004-2 | White Drywall with Paper | N | None Detected | 10% ce | 90% qu,gy | 

SA-21-287-005

005-1 | Tan Surfaced White Compound | N | None Detected | 100% qu,mi,bi,ca | 

SA-21-287-006

006-1 | Tan Surfaced White Compound | N | None Detected | 100% qu,mi,bi,ca | 

SA-21-287-007

007-1 | Tan Linoleum | Y | None Detected | 3% fg | 87% qu,ma,ca | 

007-2 | Brown Mastic | Y | None Detected | 100% qu,bi | 

---

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, all immersion for identification of asbestos types by dispersion attaining / becke line method.

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John Grout  
Senior Analyst

Alicia Stretz  
Laboratory Director

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<th>Non-fibrous Type / percent</th>
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</thead>
<tbody>
<tr>
<td>SA-21-287-008</td>
<td>Tan Linoleum</td>
<td>008-1</td>
<td>None Detected</td>
<td>3% fg</td>
<td>10% ce</td>
<td>87% qu,ma,ca</td>
<td></td>
</tr>
<tr>
<td>SA-21-287-009</td>
<td>Tan Linoleum</td>
<td>009-1</td>
<td>None Detected</td>
<td>3% fg</td>
<td>10% ce</td>
<td>87% qu,ma,ca</td>
<td></td>
</tr>
<tr>
<td>SA-21-287-010</td>
<td>Green Linoleum</td>
<td>010-1</td>
<td>None Detected</td>
<td>5% fg</td>
<td>10% ce</td>
<td>85% qu,ma,ca</td>
<td></td>
</tr>
<tr>
<td>SA-21-287-011</td>
<td>Green Linoleum</td>
<td>011-1</td>
<td>None Detected</td>
<td>5% fg</td>
<td>10% ce</td>
<td>85% qu,ma,ca</td>
<td></td>
</tr>
</tbody>
</table>

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**Approved Signatories:**

- **John Grout**: Senior Analyst
- **Alicia Stretz**: Laboratory Director
- **Ioannis Petikas**: CA Labs Project #:

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### Customer Info:
**Attn:** Ioannis Petikas  
**SEMS, Inc**  
11628 S Choctaw Drive  
Baton Rouge, LA 70815

### Customer Project:
**CA Labs Project #:** CBR21107113  
**425 Sampson Ave**  
**Date:** 10/18/2021

### Turnaround Time:
**Date Of Sampling:** 10/14/2021  
**24 Hours**  
**Purchase Order #:** 533-0032

### Fax #:
225-924-2004

### Phone #:
225-924-2002

### Laboratory Director:
Chris Williams

### Analysts:
- **John Grout:** Senior Analyst  
- **Alicia Stretz:** Analyst

### Analysis Method:
Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

### Preparation Method:
HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

### CA Labs:
- **CA Labs, L.L.C.**  
  12232 Industriplex, Suite 32  
  Baton Rouge, LA 70809  
  Phone 225-751-5632  
  Fax 225-751-5634

### CA Labs Project #: CBR21107113

### Turnaround Time:
**24 Hours**

### Purchase Order #: 533-0032

### Sample # Comment Layer Analysts Physical Description of Subsample Homogeneous (Y/N) Asbestos type / calibrated visual estimate percent Non-asbestos fiber type / percent Non-fibrous type / percent

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<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>011-2</td>
<td>Yellow Mastic</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,bi</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SA-21-287-012</td>
<td>012-1 Green Linoleum</td>
<td>Y</td>
<td>None Detected</td>
<td>5% fg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>012-2</td>
<td>Yellow Mastic</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,bi</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>012-3</td>
<td>Gray Linoleum</td>
<td>Y</td>
<td>None Detected</td>
<td>5% fg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>012-4</td>
<td>Yellow Mastic</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,bi</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Approved Signatories:
- **John Grout:** Analyst  
- **Senior Analyst:** Alicia Stretz  
- **Laboratory Director:** Chris Williams

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---
APPENDIX C
SAMPLE LOCATION DRAWINGS
OBSERVED MATERIALS

Flooring
Ceiling

Ceiling Tile
Carpet

Ceiling Tile
Carpet

Linoleum
(Negative)

Carpet

Ceiling Tile

Linoleum
(Positive)

Linoleum
(Positive)

Foyer

Front Bed

Hall Bath

Master

Living

Sitting

Kitchen

Cl

Bath

212 First

212 First Street
Lafayette, LA 70501

Figure 1A

Date:

Rev. #:

Approved By

Checked By

Drawn By

Project No.

GC 10-19-21

10-19-21

533-0032

GC

Date:

Date:
Sample Locations

OO-21-286-???  Negative for Asbestos
OO-21-286-???  Positive for Asbestos

FS-21-287-001
FS-21-287-018
FS-21-287-017
FS-21-287-016
FS-21-287-007
FS-21-287-008
FS-21-287-009

FS-21-287-002
FS-21-287-005
FS-21-287-014
FS-21-287-013
FS-21-287-015

FS-21-287-010
FS-21-287-011
FS-21-287-004
FS-21-287-006
FS-21-287-003

FS-21-287-008
FS-21-287-007
FS-21-287-006
FS-21-287-003

FS-21-287-004

212 First

212 First Street
Lafayette, LA 70501
400 Mudd Ave.
400 Mudd Ave.
400 Mudd Ave.

Sample Locations

00-21-286-???
Negative for Asbestos

00-21-286-???
Positive for Asbestos

NOTE: No Asbestos Containing Materials found on this Inspection.
425 Sampson

- Master
- Bath
- Bath
- Bed 1
- Living
Living
425 Sampson

425 Sampson
Lafayette, LA 70501

OBSERVED MATERIALS

<table>
<thead>
<tr>
<th>Flooring</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laminate</td>
<td>Wood</td>
</tr>
<tr>
<td>Linoleum</td>
<td>Laminate</td>
</tr>
</tbody>
</table>
NOTE: No Asbestos Containing Materials found on this Inspection.

Sample Locations

OO-21-286-??? Negative for Asbestos
OO-21-286-??? Positive for Asbestos

425 Sampson
Lafayette, LA 70501
APPENDIX D
CERTIFICATION
NAME: Austin Leopold
CERT: Inspector
ACCREDITATION #: 21189864
VALID: 8/26/2021 - 9/28/2022
CERT: Contractor/Supervisor
ACCREDITATION #: 2SI89864
VALID: 8/26/2021 - 9/21/2022
AI #: 189864 MD