January 31, 2019

LAB ID: 11626
MS. LISA SWAB
SGS GALSON, A DIVISION OF SGS NORTH AMERICA, INC.
6601 KIRKVILLE RD
EAST SYRACUSE, NY 13057-9672

Dear Ms. Swab:

Your laboratory’s scores for the NYSDOH Bulk Asbestos by Light Microscopy Proficiency Test are enclosed.

The NYSDOH Environmental PT Program validates the fitness for use of each sample/analyte used in it's PT studies. All analytes passed the assigned value verification and homogeneity evaluations prior to shipment for this study. After the study close date samples/analytes are evaluated again for fitness in conjunction with historic pass/fail rates. The evaluation procedures used to establish the assigned value are discussed in the ELAP Certification Manual Item 300. All analytes were determined to be fit for use as PT materials for this study.

The assigned value is the 'made to' value for the analyte. The mean for scoring is the participant consensus mean for fibers in air and for bulk asbestos. The acceptance limits are centered on the mean for scoring. The acceptance limits are calculated as plus/minus two times the standard deviation for Bulk Asbestos, and three times the standard deviation for Fibers in Air per ELAP Certification Manual Item 330.

<table>
<thead>
<tr>
<th>Sample 4659</th>
<th>Sample 4358</th>
<th>Sample 7487</th>
<th>Sample 9514</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amosite 7.6%</td>
<td>Chryotile 13.8%</td>
<td>Gypsum 82.2%</td>
<td>Gypsum 65.9%</td>
</tr>
<tr>
<td>Gypsum 84.5%</td>
<td>Gypsum 55.0%</td>
<td>Cellulose 12.5%</td>
<td>Micro Cellulose 17.4%</td>
</tr>
<tr>
<td>Wollastonite 5.3%</td>
<td>Calcite 18.7%</td>
<td>Synthetic Fiber 5.3%</td>
<td>Synthetic Fiber 11.0%</td>
</tr>
<tr>
<td>Titanium Dioxide 2.6%</td>
<td>Cellulose 12.5%</td>
<td></td>
<td>Cellulose 5.7%</td>
</tr>
</tbody>
</table>

The NYSDOH Environmental PT Program does not limit the usage of proficiency test reports by individuals or organizations. The NYSDOH Environmental PT Program only distributes PT reports to the participant and any organization selected by the participant for distribution.

Summary statistics by method, as well as, assigned value uncertainties may be requested by contacting the NYSDOH Environmental PT Program. Also, please provide us with your feedback on any issues related to the PT Program, including the current study. Direct any comments, requests, feedback, or questions to us at dehspt@health.ny.gov.

Sincerely,

Dan Dickinson, PT Program Coordinator
Division of Environmental Health Sciences
NYS DOH - Wadsworth Center
PO BOX 509, Albany NY 12201-0509
Phone: (518) 473-3383, Fax: (518) 473-8117
# New York ELAP Proficiency Test Report

**Lab Id:** 11626  
SGS GALSON, A DIVISION OF SGS NORTH AMERICA, INC.  
6601 KIRKVILLE RD  
EAST SYRACUSE, NY 13057-9672  
(315) 432-5227  
Director: MS. LISA SWAB

**EPA Lab Code:** NY00056  
**Shipment Date:** 27-Nov-2018  
**Closing Date:** 10-Jan-2019  
**Score Date:** 29-Jan-2019

NYSDOH Wadsworth Center is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

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**Shipment: 419**  
Asbestos in Bulk Samples and Fibers in Air by Light Microscopy

<table>
<thead>
<tr>
<th>Analyte Name</th>
<th>Units</th>
<th>Sample ID</th>
<th>Test Method</th>
<th>Result/Analysis Date</th>
<th>Mean/Assigned Value</th>
<th>Standard Deviation/Fixed %</th>
<th>Acceptance Limits</th>
<th>Score</th>
</tr>
</thead>
</table>
| **Sample:** Air and Emissions  
Airborne Fiber Samples  
Fibers          | Fibers per mm2         | 5582      | NIOSH 7400 A RULES | 12/13/18             | 568                 | 130                       | 178 - 958         | Satisfactory           |
| Analyte Code: |                        |           |             |                      |                     |                           |                   |                        |
| Fibers        | Fibers per mm2         | 6806      | NIOSH 7400 A RULES | 12/13/18             | 81.3                | 23                        | 12.3 - 150        | Satisfactory           |
| Analyte Code: |                        |           |             |                      |                     |                           |                   |                        |
| Fibers        | Fibers per mm2         | 7332      | NIOSH 7400 A RULES | 12/13/18             | 123                 | 27.7                      | 39.9 - 206        | Satisfactory           |
| Analyte Code: |                        |           |             |                      |                     |                           |                   |                        |
| Fibers        | Fibers per mm2         | 7775      | NIOSH 7400 A RULES | 12/13/18             | 483                 | 125                       | 108 - 858         | Satisfactory           |
| Analyte Code: |                        |           |             |                      |                     |                           |                   |                        |

**Overall Evaluation:** Satisfactory

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**Sample:** Solid and Hazardous Waste  
**Bulk Asbestos Sample (Identification)**

<table>
<thead>
<tr>
<th>Percent Asbestos</th>
<th>Analyte Code</th>
<th>Sample</th>
<th>Test Method</th>
<th>Result/Analysis Date</th>
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<th>Standard Deviation/Fixed %</th>
<th>Acceptance Limits</th>
<th>Score</th>
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</thead>
<tbody>
<tr>
<td>Chrys 3.1</td>
<td>Item 198.1 of Manual</td>
<td>4358</td>
<td></td>
<td>12/12/18</td>
<td>6.3</td>
<td>3.51</td>
<td>1.0% - 15%</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Amosite 8.0</td>
<td>Item 198.1 of Manual</td>
<td>4659</td>
<td></td>
<td>12/12/18</td>
<td>7.6</td>
<td>3.85</td>
<td>1.0% - 15%</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>No Asb 0</td>
<td>Item 198.1 of Manual</td>
<td>7487</td>
<td></td>
<td>12/12/18</td>
<td></td>
<td></td>
<td></td>
<td>Satisfactory</td>
</tr>
</tbody>
</table>

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*81 passed out of 83 reported results.  
77 passed out of 83 reported results.  
79 passed out of 83 reported results.  
82 passed out of 83 reported results.  
68 passed out of 72 reported results.  
65 passed out of 72 reported results.*
New York ELAP Proficiency Test Report

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</thead>
<tbody>
<tr>
<td>Percent Asbestos</td>
<td>%</td>
<td>9514</td>
<td>Item 198.1 of Manual</td>
<td>12/12/18</td>
<td>No Asb 0</td>
<td></td>
<td></td>
<td>Satisfactory</td>
</tr>
</tbody>
</table>

72 passed out of 72 reported results.

Overall Evaluation: Satisfactory

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