

Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street Report No.: 606977 - TEM AHERA
Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6942850Volume: 1800.0 LDensity (s/mm²): <19.2</th>Client No.: ATS-1226-01Location: Air Shaft On Wallace St, NortheastConcentration (s/cc): <0.0041</td>Date Sampled: 12/26/19Asbestos Type(s): None Detected

Lab No.: 6942851Volume: 1800.0 LDensity (s/mm²): <19.2</th>Client No.: ATS-1226-02Location: Air Shaft On Wallace St, NorthwestConcentration (s/cc): <0.0041</td>

Client No.: A1S-1226-02 Location: Air Shaft On Wallace St, Northwest Concentration (s/cc): <0.0041

Date Sampled: 12/26/19 Asbestos Type(s): None Detected

Lab No.: 6942852Volume: 1800.0 LDensity (s/mm²): <19.2</th>Client No.: ATS-1226-03Location: Air Shaft On Wallace St, Southeast<br/>Date Sampled: 12/26/19Concentration (s/cc): <0.0041<br/>Asbestos Type(s):None Detected

Lab No.: 6942853Volume: 1800.0 LDensity (s/mm²): <19.2</th>Client No.: ATS-1226-04Location: Air Shaft On Wallace St, Center<br/>Date Sampled: 12/26/19Concentration (s/cc): <0.0041<br/>Asbestos Type(s): None Detected

Lab No.: 6942854 Volume: 1800.0 L
Client No.: ATS-1226-05 Location: Air Shaft On Wallace St, Southwest
Date Sampled: 12/26/19 Density (s/mm²): 19.2
Concentration (s/cc): 0.0041
Asbestos Type(s): Chrysotile

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/26/2019

Date Analyzed: 12/26/2019

Signature:
Analyst: Craig Liska

Dated: 12/27/2019 10:37:34

Approved By:

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

606977 - TEM AHERA 228 Moore Street Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.: Client: SYN177

# TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6942855 **Volume:** 1800.0 L

**Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 **Client No.:** ATS-1226-06 **Location:** Outside Wallace St. Air Shaft At

South Entrance

Asbestos Type(s): None Detected Date Sampled: 12/26/19

**Lab No.:** 6942856 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-07 Concentration (s/cc): <0.0041 Location: Outside Wallace St. Air Shaft

Northwest Asbestos Type(s): None Detected

Date Sampled: 12/26/19

Lab No.: 6942857 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-08 Location: Outside Wallace St. Air Shaft Concentration (s/cc): <0.0041

Northeast Asbestos Type(s): None Detected

Date Sampled: 12/26/19

Lab No.: 6942858 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-09 **Location:** Outside Wallace St. Southwest Concentration (s/cc): <0.0041

Date Sampled: 12/26/19 Asbestos Type(s): None Detected

Lab No.: 6942859 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-10 Location: Outside Wallace St. Shaft Southeast Concentration (s/cc): <0.0041

**Date Sampled:** 12/26/19 Asbestos Type(s): None Detected Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis. Approved By:

12/26/2019 Date Received: 12/27/2019 Date Analyzed:

Signature: Craig Liska Analyst:

Frank E. Ehrenfeld, III Laboratory Director



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## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

606977 - TEM AHERA 228 Moore Street Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.: Client: SYN177

# TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6942860 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 Concentration (s/cc): <0.0041 **Client No.:** ATS-1226-11 Location: Mt. Vernon St Air Shaft North Date Sampled: 12/26/19 Asbestos Type(s): None Detected

Lab No.: 6942861 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** 19.2 **Client No.:** ATS-1226-12 Location: Mt. Vernon St Air Shaft South Concentration (s/cc): 0.0041

**Date Sampled:** 12/26/19 **Asbestos Type(s):**Chrysotile

Lab No.: 6942862 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-13 Location: Mt. Vernon St Air Shaft East Concentration (s/cc): <0.0041 Date Sampled: 12/26/19 Asbestos Type(s): None Detected

Lab No.: 6942863 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-14 Location: Mt. Vernon St Air Shaft West Concentration (s/cc): <0.0041 Date Sampled: 12/26/19 Asbestos Type(s): None Detected

**Lab No.:** 6942864 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 Location: Mt. Vernon St Air Shaft Center Concentration (s/cc): <0.0041 **Client No.:** ATS-1226-15 **Date Sampled:** 12/26/19 Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received: 12/26/2019 Date Analyzed:

Signature: Craig Liska Analyst:

Dated: 12/27/2019 10:37:34

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

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Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street Report No.: 606977 - TEM AHERA Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

**Density (s/mm<sup>2</sup>):** <19.2

Client: SYN177

## TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6942865 **Volume:** 1800.0 L

Concentration (s/cc): <0.0041 **Client No.:** ATS-1226-16 Location: Outside Mt. Vernon St. Northwest Asbestos Type(s): None Detected

Date Sampled: 12/26/19

**Density (s/mm<sup>2</sup>):** <19.2 **Lab No.:** 6942866 **Volume:** 1800.0 L Concentration (s/cc): <0.0041 **Client No.:** ATS-1226-17 **Location:** Outside Mt. Vernon Air Shaft North

Asbestos Type(s): None Detected Date Sampled: 12/26/19

Lab No.: 6942867 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-18 Location: Outside Mt. Vernon Air Shaft Concentration (s/cc): <0.0041

Northeast Asbestos Type(s): None Detected

Date Sampled: 12/26/19

**Lab No.:** 6942868 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2

**Client No.:** ATS-1226-19 Location: Outside Mt. Vernon Air Shaft Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected Southeast

Date Sampled: 12/26/19

Lab No.: 6942869 **Volume:** 1800.0 L **Density (s/mm<sup>2</sup>):** <19.2 **Client No.:** ATS-1226-20 Location: Outside Mt. Vernon Air Shaft

Concentration (s/cc): <0.0041 Southwest Asbestos Type(s): None Detected

**Date Sampled:** 12/26/19

Geometric Mean = 0.0041 Structures/cc

Date Analyzed:

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received: Approved By:

Frank E. Ehrenfeld, III Salya Vani Signature: Laboratory Director Satya Chinnamaneni Analyst:

Dated: 12/27/2019 10:37:34 Page 4 of 5

12/27/2019



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#### **CERTIFICATE OF ANALYSIS**

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street Report No.: 606977 - TEM AHERA
Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

# Appendix to Analytical Report:

Customer Contact: Jacqueline McMahon Method: 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: Shirley Clark

Sample Matrix: Air Cassettes

#### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

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This report shall not be reproduced except in full, without written approval of the laboratory.

#### **Information Pertinent to this Report:**

Analysis by 40 CFR 763 Final Rule

## Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

## **Disclaimers / Qualifiers:**

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

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9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

606977 - TEM AHERA 228 Moore Street Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

# TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942850 Volume (L): 1800.0 L **Date Sampled:** 12/26/19 Client No.: ATS-1226-01

Filter Size (mm<sup>2</sup>): 385 Location: Air Shaft On Wallace St, Northeast **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2

Filter Type: MCE

Filter Type: MCE

Filter Type: MCE

Filter Size (mm<sup>2</sup>): 385

**Pore Size (μm):** 0.45

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Client: SYN177

Lab No.: 6942851 Volume (L): 1800.0 L **Client No.:** ATS-1226-02

**Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385 Location: Air Shaft On Wallace St, Northwest **Pore Size (μm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 µm to <5.0 µm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Micrograph Number: **Asbestos Type(s):** None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

**EDXA Spectrum ID:** 

Micrograph Number: **EDXA Spectrum ID:** 

Lab No.: 6942852 Volume (L): 1800.0 L **Client No.:** ATS-1226-03 **Date Sampled:** 12/26/19

Location: Air Shaft On Wallace St, Southeast

Structures 0.5 μm to <5.0 μm: None Detected

**Grid Openings: 4 Asbestos Structures:** None Detected

Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received:

12/26/2019 Date Analyzed:

Signature: Craig Liska Analyst:

Dated: 12/27/2019 10:37:36

Approved By:

Laboratory Director



Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street Report No.: 606977 - TEM AHERA Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942853 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-1226-04 **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385

Location: Air Shaft On Wallace St, Center **Pore Size (µm):** 0.45

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041 Micrograph Number: **Asbestos Type(s):** None Detected

**EDXA Spectrum ID:** 

Lab No.: 6942854 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-1226-05 **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385

Location: Air Shaft On Wallace St, Southwest **Pore Size (μm):** 0.45

**Grid Openings: 4** Non-Asbestos Structures: None Detected **Asbestos Structures:** 1 Opening Area (mm<sup>2</sup>): 0.013

Area Analyzed (mm²): 0.0520 Structures 0.5  $\mu$ m to <5.0  $\mu$ m: 1 Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): 0.0041

Micrograph Number: DP 5741 **Asbestos Type(s):**Chrysotile

**EDXA Spectrum ID:** 

Analyst:

Geometric Mean = 0.0041 Structures/cc

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12/26/2019 Date Received: Approved By: 12/26/2019 Date Analyzed:

Frank E. Ehrenfeld, III Signature: Laboratory Director Craig Liska

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Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Synertech Inc. Report Date: 12/27/2019 Client:

228 Moore Street 606977 - TEM AHERA Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

Opening Area (mm<sup>2</sup>): 0.013

**EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942855 Volume (L): 1800.0 L

**Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385 **Client No.:** ATS-1226-06 Location: Outside Wallace St. Air Shaft At **Pore Size (µm):** 0.45

South Entrance

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): <0.0041

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6942856 Volume (L): 1800.0 L **Client No.:** ATS-1226-07 **Date Sampled:** 12/26/19

Location: Outside Wallace St. Air Shaft **Pore Size (µm):** 0.45

Northwest

**Grid Openings: 4 Asbestos Structures:** None Detected

Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

**Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385

Filter Type: MCE

Non-Asbestos Structures: None Detected

Non-Asbestos Type(s): None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received: 12/27/2019 Date Analyzed:

Signature: Craig Liska Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 12/27/2019 10:37:36 Page 3 of 11



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## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street Report No.: 606977 - TEM AHERA Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942857 Volume (L): 1800.0 L Filter Type: MCE **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385 **Client No.:** ATS-1226-08

**Pore Size (µm):** 0.45 Location: Outside Wallace St. Air Shaft

Northeast

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): <0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6942858 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-1226-09 **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385

Location: Outside Wallace St. Southwest **Pore Size (µm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected

**Detection Limit (s/cc):** 0.0041 Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received: 12/27/2019 Date Analyzed:

Signature: Craig Liska Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Non-Asbestos Structures: None Detected

Structure Concentration (s/cc): <0.0041

Structure Density (s/mm<sup>2</sup>): <19.2

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## CERTIFICATE OF ANALYSIS

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606977 - TEM AHERA 228 Moore Street Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942859

**Client No.:** ATS-1226-10

**Grid Openings: 4** 

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Sensitivity (s/mm<sup>2</sup>): 19.2 **Detection Limit (s/cc):** 0.0041

Micrograph Number: **EDXA Spectrum ID:** 

Geometric Mean = 0.0041 Structures/cc

Volume (L): 1800.0 L **Date Sampled:** 12/26/19

Location: Outside Wallace St. Shaft Southeast

**Asbestos Structures:** None Detected

Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Pore Size (µm):** 0.45

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

12/26/2019

Date Analyzed:

Dated: 12/27/2019 10:37:36

12/27/2019

Signature:

Analyst:

Craig Liska

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

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9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Structures: None Detected

Non-Asbestos Type(s): None Detected

#### CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

606977 - TEM AHERA 228 Moore Street Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

# TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942860 Volume (L): 1800.0 L Filter Type: MCE **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385 **Client No.:** ATS-1226-11

Location: Mt. Vernon St Air Shaft North **Pore Size (µm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

**EDXA Spectrum ID:** 

Analyst:

Lab No.: 6942861 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-1226-12 **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385

Location: Mt. Vernon St Air Shaft South **Pore Size (μm):** 0.45

**Grid Openings: 4 Asbestos Structures:** 1

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 µm to <5.0 µm: 1 Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \mu m$ : None Detected Structure Concentration (s/cc): <0.0041 **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): 19.2 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): 0.0041

Micrograph Number: DP 5742 **Asbestos Type(s):**Chrysotile **EDXA Spectrum ID:** 

Lab No.: 6942862 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-1226-13 **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385

Location: Mt. Vernon St Air Shaft East **Pore Size (µm):** 0.45

Asbestos Structures: None Detected **Grid Openings: 4** Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): <0.0041

Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2 Non-Asbestos Type(s): None Detected

Structure Concentration (s/cc): <0.0041 Asbestos Type(s): None Detected Micrograph Number:

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received: Approved By: 12/26/2019 Date Analyzed:

Signature: Laboratory Director Craig Liska

Dated: 12/27/2019 10:37:36 Page 6 of 11



Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street Report No.: 606977 - TEM AHERA
Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

Geometric Mean = 0.0041 Structures/cc

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942863 Volume (L): 1800.0 L Filter Type: MCE
Client No.: ATS-1226-14 Date Sampled: 12/26/19 Filter Size (mm²): 385
Location: Mt. Vernon St Air Shaft West Pore Size (um): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520

Sensitivity (s/mm²): 19.2

Structures 0.5 μm to <5.0 μm: None Detected
Structure Density (s/mm²): <19.2

Structure Concentration (s/cc): <0.0041

Detection Limit (s/cc): 0.0041 Structure Density (s/mm²): <19.2 Non-Asbestos Type(s): None Detected Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected

EDXA Spectrum ID:

Aspestos Type(s): None Detected

 Lab No.: 6942864
 Volume (L): 1800.0 L
 Filter Type: MCE

 Client No.: ATS-1226-15
 Date Sampled: 12/26/19
 Filter Size (mm²): 385

Location: Mt. Vernon St Air Shaft Center Pore Size (μm): 0.45

Grid Openings: 4 Asbestos Structures: None Detected Non-Asbestos Structures: None Detected Opening Area (mm²): 0.013

Area Analyzed (mm²): 0.0520Structures  $0.5 \mu m$  to  $<5.0 \mu m$ : None DetectedSensitivity (s/mm²): 19.2Structures  $\ge 5.0 \mu m$ : None DetectedDetection Limit (s/cc): 0.0041Structure Density (s/mm²): <19.2

Structure Concentration (s/cs: <0.0041

Micrograph Number: Asbestos Type(s): None Detected EDXA Spectrum ID:

Structure Density (s/mm²): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/26/2019 Approved By:

Date Analyzed: 12/26/2019

Frank E. Ehrenfeld, III
Laboratory Director

Dated: 12/27/2019 10:37:36 Page 7 of 11

Craig Liska

Analyst:



Email: customerservice@iatl.com

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

606977 - TEM AHERA 228 Moore Street Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942865 Volume (L): 1800.0 L **Date Sampled:** 12/26/19 **Client No.:** ATS-1226-16

Filter Size (mm<sup>2</sup>): 385 Location: Outside Mt. Vernon St. Northwest **Pore Size (µm):** 0.45

**Grid Openings: 4** Asbestos Structures: None Detected Non-Asbestos Structures: None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq$  5.0 µm: None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Micrograph Number: Asbestos Type(s): None Detected **EDXA Spectrum ID:** 

Lab No.: 6942866 Volume (L): 1800.0 L

**Client No.:** ATS-1226-17 **Date Sampled:** 12/26/19 Location: Outside Mt. Vernon Air Shaft North

**Grid Openings: 4 Asbestos Structures:** None Detected

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Structure Density (s/mm<sup>2</sup>): <19.2

Structure Concentration (s/cc): <0.0041

Non-Asbestos Type(s): None Detected

Filter Type: MCE Filter Size (mm<sup>2</sup>): 385 **Pore Size (µm):** 0.45

Filter Type: MCE

Non-Asbestos Structures: None Detected

Structure Density (s/mm<sup>2</sup>): <19.2 Structure Concentration (s/cc): <0.0041 Non-Asbestos Type(s): None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received:

12/27/2019 Date Analyzed:

Satya Vani Signature: Analyst:

Satya Chinnamaneni

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 12/27/2019 10:37:36 Page 8 of 11



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## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street 606977 - TEM AHERA Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

# TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942867 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-1226-18 **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385

Location: Outside Mt. Vernon Air Shaft **Pore Size (µm):** 0.45

Northeast

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: 9

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): 173 Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Concentration (s/cc): 0.037

Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041 Non-Asbestos Type(s): CaS - Gypsum Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected Micrograph Number:

**EDXA Spectrum ID:** 

Lab No.: 6942868 Volume (L): 1800.0 L Filter Type: MCE **Client No.:** ATS-1226-19 **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385

Location: Outside Mt. Vernon Air Shaft **Pore Size (µm):** 0.45

Southeast

**Grid Openings: 4 Asbestos Structures:** None Detected Non-Asbestos Structures: 3

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm²): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structure Density (s/mm<sup>2</sup>): 57.7

Sensitivity (s/mm<sup>2</sup>): 19.2 Structures  $\geq 5.0 \, \mu m$ : None Detected **Detection Limit (s/cc):** 0.0041 Structure Density (s/mm<sup>2</sup>): <19.2

Asbestos Type(s): None Detected Micrograph Number: **EDXA Spectrum ID:** 

Non-Asbestos Type(s): CaS - Gypsum Structure Concentration (s/cc): <0.0041

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received:

12/27/2019 Date Analyzed:

atya Vani Signature: Satya Chinnamaneni Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Structure Concentration (s/cc): 0.012

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Structure Density (s/mm<sup>2</sup>): 173

Structure Concentration (s/cc): 0.037

Non-Asbestos Type(s): CaS - Gypsum

## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

606977 - TEM AHERA 228 Moore Street Report No.: Philadelphia PA 19148 Project: Franklin Learning Center

Project No.:

Client: SYN177

**Grid Openings: 4** 

Micrograph Number: **EDXA Spectrum ID:** 

## TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6942869 **Volume (L):** 1800.0 L Filter Type: MCE **Date Sampled:** 12/26/19 Filter Size (mm<sup>2</sup>): 385 **Client No.:** ATS-1226-20

Location: Outside Mt. Vernon Air Shaft **Pore Size (µm):** 0.45

Southwest

Asbestos Structures: None Detected Non-Asbestos Structures: 9

Opening Area (mm<sup>2</sup>): 0.013 Area Analyzed (mm<sup>2</sup>): 0.0520 Structures 0.5 μm to <5.0 μm: None Detected Structures  $\geq 5.0 \, \mu m$ : None Detected Sensitivity (s/mm<sup>2</sup>): 19.2 Structure Density (s/mm<sup>2</sup>): <19.2 **Detection Limit (s/cc):** 0.0041

Structure Concentration (s/cc): <0.0041

Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

12/26/2019 Date Received: 12/27/2019 Date Analyzed:

atya Vani Signature: Satya Chinnamaneni Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

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## CERTIFICATE OF ANALYSIS

Client: Synertech Inc. Report Date: 12/27/2019

228 Moore Street Report No.: 606977 - TEM AHERA
Philadelphia PA 19148 Project: Franklin Learning Center

Client: SYN177 Project No.:

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