METRO ANALYTICAL LABORATORIES
255 West 36th St., Suite #101
New York, NY 10018
p: (212) 695-0165 f: (212) 695-0183

# ASBESTOS ANALYSIS of AIR SAMPLE by TRANSMISSION ELECTRON MICROSCOPY

| | | | | | |
|---|---|---|---|---|---|
| Client: | **ALC Environmental** | Contract: | **5 East Main Street** | **Metro Lab ID #:** | **TA26100036** |
| Address: | 158 West 27th Street 8th Floor | Client Job #: | | | |
| | New York NY 10001 | Location: | **5 East Main Street** | | |
| | P: (212) 675-5544 F: (212) 675-4698 | | **Boiler Room** | Sample Received: | 10/16/2026 |
| | | | **Manhattan NY** | Sample Type: | |
| Contact: | **Pat Mullo** | Sampled By: | A.A.H. | TEM Analysis Date: | 10/17/2026 |
| | M: (646) 529-6529 | Sampled Date: | 10/16/2026 | Amended By: | Nicole Piech |
| | E: Pat.Mullo@alcenvironmental.com | Turnaround Time: | 24 hrs | Amended Date: | 10/18/2026 |

## Summary of Analysis

| LAB ID # | Client Sample # | Sample Description | Volume (L) | # Grids Read | Grid Opening ($mm^2$) | Total Area Analyzed ($mm^2$) | # Non-Asbestos Structures | Asbestos Type(s) | Micrograph # | 0.5u - 5 u | >5u | Sensitivity (S/cc) | Asbestos ($S/mm^2$) | Asbestos (S/cc) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01 | OWA - S.W OF PERSONAL DECON ENT WITHIN 5 FT | 1500 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0045 | **<17.54** | **<0.0045** |
| 2 | 02 | OWA - N.E OF DECON OUTSIDE OF W/A | 1500 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0045 | **<17.54** | **<0.0045** |
| 3 | 03 | OWA - SOUTH OF ENTRANCE TO BOILER ROOM | 1500 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0045 | **<17.54** | **<0.0045** |
| 4 | 04 | OWA - S.E OF BOILER BY MICROTRAP EXHAUST | 1506 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0045 | **<17.54** | **<0.0045** |
| 5 | 05 | OWA - WEST OF BOILER BY MICROTRAP EXHAUST | 1482 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0046 | **<17.54** | **<0.0046** |
| 6 | 06 | OWA - S.WEST OF PERSONAL DECON ENT WITHIN 5 FT | 1488 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0045 | **<17.54** | **<0.0045** |
| 7 | 07 | OWA - N.E OF DECON OUTSIDE OF W/A | 1440 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0047 | **<17.54** | **<0.0047** |
| 8 | 08 | OWA - SOUTH OF ENTRANCE TO BOILER ROOM | 1410 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0048 | **<17.54** | **<0.0048** |
| 9 | 09 | OWA - WEST OF BOILER BY MICROTRAP EXHAUST | 1386 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0049 | **<17.54** | **<0.0049** |
| 10 | 10 | OWA - S.E OF BOILER BY MICROTRAP EXHAUST | 1374 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0049 | **<17.54** | **<0.0049** |

Comments Amended - Metro Lab ID #

Equipment TEM SCOPE #1 - Hitachi H-600

**Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA). Migrographs available upon request.

Zlatan Dimitrijevic
Laboratory Director

Michael Issa
TEM Analyst

**NYS ELAP ID # 12003**

**NVLAP Lab Code 500081-0**

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| | | | **Manhattan** **NY** | Sample Type: | |
| Contact: | **Pat Mullo** | Sampled By: | A.A.H. | TEM Analysis Date: | 10/17/2026 |
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## Summary of Analysis

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **11** | **11** | F/B | N/A | N/A | N/A | N/A | N/A | **Not Analyzed** | N/A | N/A | N/A | N/A | **N/A** | **N/A** |
| **12** | **12** | F/B | N/A | N/A | N/A | N/A | N/A | **Not Analyzed** | N/A | N/A | N/A | N/A | **N/A** | **N/A** |
| **13** | **13** | O/B | N/A | N/A | N/A | N/A | N/A | **Not Analyzed** | N/A | N/A | N/A | N/A | **N/A** | **N/A** |
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Comments Amended - Metro Lab ID #

Equipment TEM SCOPE #1 - Hitachi H-600

**Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA). Migrographs available upon request.

Zlatan Dimitrijevic
Laboratory Director

Michael Issa
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# Report Notes

## General Notes and Disclaimers

- The samples analyzed in this report were not collected by this laboratory - they were received from the client, or an agent of the client, in good condition, unless otherwise noted.
- All results are calculated based on client-provided samples and / or measurements and fall within the acceptable Quality Control limits, unless otherwise noted.
- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- This report relates only to the samples tested. It may not be used by the client to claim project endorsement by NVLAP, NYS ELAP, or any other government agency.
- All samples will be properly disposed of after 60 days.
- Quality Control data (including 95% confidence limits, laboratory / analysis accuracy and precision) is available upon request.

## Notes Regarding Asbestos Testing

- Air Sample Analysis by Phase Contrast Microscopy (PCM) adheres to Method NIOSH-7400. Results < 7 fibers / $mm^2$ are statistically insignificant.
- Percentages are calculated using the EPA equivalent Stratified Point-Count Method.
- Bulk Sample Analysis by Polarized Light Microscopy (PLM) Friable adheres to EPA/600/M4-082-20 or NYS ELAP 198.1.
- Bulk Sample Analysis by Polarized Light Microscopy (PLM) NOB adheres to NYS ELAP 198.6. This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
- All inhomogeneous layers of the bulk samples were analyzed separately.
- Analytical results are sometimes based on the residue percentage(s) provided by the client along with the filters. Trace denotes asbestos detected at < 1%. Smiliarly, samples below quantitation limit (RL) are reported with a less than sign (<).
- Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.
- Bulk Sample Analysis by Transmission Electron Microscopy (TEM) NOB adheres to NYS ELAP Method 198.4.
- Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA).
- Air Sample Analysis by Transmission Electron Microscopy (TEM) Worksheets are available upon request.

ALC ENVIRONMENTAL
CONSULTING | MANAGEMENT | TRAINING

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New York, NY 10001
Phone: (212) 675-5544 FAX (212) 675-4698

# ASBESTOS AIR SAMPLING LOG

☒ TEM
☐ PCM

Turn Around Time
☐ Rush ☐ 8 Hours ☐ 24 Hours
☒ 6 Hours ☐ 12 Hours ☐ 3 Days
24 HRS

SHIFT



| M | T | W | T | F | S | S |
|---|---|---|---|---|---|---|
| | | | | ✓ | | |

DATE: 10/16/26

PROJECT #: _____ PROJECT SITE: 5 EAST MAIN ST MANHATTAN WORK AREA: BOILER ROOM

TECHNICIAN: AUDLEY A HINDS NYS CERT #: 26-6ZQIC SHAB

ROTOMETER #: ALC 010 CALABRATION DATE: 9.17.26 MANAGER: PAT MULLO

LABORATORY USE ONLY
LABORATORY PROCJECT #: TA26L00036

| FIELD SAMPLE ID NUMBER | | DESCRIPTION LOCATION/ACTIVITY | SAMPLIING PERIOD (MILITARY TIME) START | STOP | Sample Time | CALIBRATION FLOW RATE PRE | POST | CAL. FLOW RATE AVERAGE | SAMPLE VOLUME (LITERS) | Fiber count per field | Airborne result F/cc |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | OWA | S. WEST OF PERSONAL DECON ENT WITHIN 5FT | 709 | 1119 | 250 | 6 | 6 | 6 | 1500 | | |
| 02 | OWA | NE OF DECON OUTSIDE OF W/A | 713 | 1123 | 250 | 6 | 6 | 6 | 1500 | | |
| 03 | OWA | SOUTH OF ENTRANCE TO BOILER ROOM | 716 | 1126 | 250 | 6 | 6 | 6 | 1500 | | |
| 04 | OWA | SE OF BOILER RM BY CRITICAL | 717 | 1128 | 251 | 6 | 6 | 6 | 1506 | | |
| 05 | OWA | WEST OF BOILER BY MICROTRAP EXHAUST | 722 | 1129 | 247 | 6 | 6 | 6 | 1482 | | |
| 06 | OWA | S. WEST OF PERSONAL DECON ENT WITHIN 5FT | 1120 | 1528 | 248 | 6 | 6 | 6 | 1486 | | |
| 07 | OWA | NE. OF DECON OUTSIDE OF W/A | 1124 | 1524 | 240 | 6 | 6 | 6 | 1440 | | |
| 08 | OWA | SOUTH ENT TO BOILER ROOM | 1127 | 1522 | 235 | 6 | 6 | 6 | 1410 | | |
| 09 | OWA | WEST OF BOILER BY MICROTRAP EXHAUST | 1130 | 1521 | 231 | 6 | 6 | 6 | 1386 | | |
| 10 | OWA | S. E OF BOILER RM BY MICROTRAP EXHAUST | 1131 | 1520 | 229 | 6 | 6 | 6 | 1374 | | |
| 11 | | F/B | | | | | | | | | |
| 12 | | 12-F/B - 13 O/B | | | | | | | | | |

SAMPLE TYPE: ☐ BG – Background ☐ D-During ☐ DAF – During as Finals ☐ CLR – Clearance ☐ A – Ambient ☐ FB – Field Blank

| RELINQUISHED BY: | SIGNATURE: | DATE: | TIME: | RECEIVED BY: | SIGNATURE: | DATE: | TIME: |
|---|---|---|---|---|---|---|---|
| AUDLEY A HINDS | | 10-16-26 | | | | 10/16/26 | 4:41PM |
| RELINQUISHED BY: | SIGNATURE: | DATE: | TIME: | RECEIVED BY: | SIGNATURE: | DATE: | TIME: |
| AUDLEY A HINDS | | 10-16-26 | | | | | |

Email Results to: bianca.colon@alcenvironmental.com; adriana.tula@alcenvironmental.com; nicholas.outar@alcenvironmental.com; audley.hinds.alc@alcenvironmental.com; pat.mullo@alcenvironmental.com
engel.perez@alcenvironmental.com