

ASBESTOS ANALYSIS of AIR SAMPLE by TRANSMISSION ELECTRON MICROSCOPY

Client: **ALC Environmental**
Address: 158 West 27th Street 8th Floor
New York NY 10001
P: (212) 675-5544 F: (212) 675-4698

Contact: **Matthew P. Carreiro**
M: (347) 558-2059
E: matthew.carreiro@alcenvironemntal.com

Contract: **5 East main Street**
Client Job #: **80624B0033**
Location: **5 East main Street**

NY

Sampled By: V.B.
Sampled Date: 07/01/2026
Turnaround Time: 12 hrs

Metro Lab ID #: **TA26070002**

Sample Received: 07/01/2026
Sample Type: Ambient
TEM Analysis Date: 07/03/2026
Reported By: Cheryl David
Report Date: 07/03/2026

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	1	OWA - >5FT OF PERSONAL DECON ENTRANCE	1200	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0048	<15.04	<0.0048
2	2	OWA - >5FT OF WASTE DECON ENTRANCE	1200	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0048	<15.04	<0.0048
3	3	OWA - >5FT OF AIRLOCK ENTRANCE	1200	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0048	<15.04	<0.0048
4	4	OWA - NORTH SECTION OF STEAM	1200	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0048	<15.04	<0.0048
5	5	OWA - NORTH EAST SECTION OF STEAM PLANT	1200	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0048	<15.04	<0.0048
6	6	OWA - EAST SECTION OF STEAM PLANT	1200	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0048	<15.04	<0.0048
7	7	OWA - SOUTH EAST SECTION OF STEAM PLANT	1200	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0048	<15.04	<0.0048
8	8	OWA - >5FT OF PERSONAL DECON ENTRANCE	1260	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0046	<15.04	<0.0046
9	9	OWA - >5FT OF WASTE DECON ENTRANCE	1260	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0046	<15.04	<0.0046
10	10	OWA - >5FT OF AIRLOCK ENTRANCE	1260	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0046	<15.04	<0.0046
Comments									Equipment					

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

Zlatan Dimitrijevic
Laboratory Director

Antonio Cruz
TEM Analyst

NYS ELAP ID # 12003

NVLAP Lab Code 500081-0

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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)
11	11	OWA - NORTH SECTION OF STEAM PLANT	1260	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0046	<15.04	<0.0046
12	12	OWA - NORTH EAST SECTION OF STEAM PLANT	1260	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0046	<15.04	<0.0046
13	13	OWA - EAST SECTION OF STEAM PLANT	1260	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0046	<15.04	<0.0046
14	14	OWA - SOUTH EAST SECTION OF STEAM PLANT	1260	7	0.0095	0.067	0	None Detected	N/A	0	0	0.0046	<15.04	<0.0046
15	15	FIELD BLANK	N/A	N/A	N/A	N/A	N/A	Not Analyzed	N/A	N/A	N/A	N/A	N/A	N/A
16	16	FIELD BLANK OPEN	N/A	N/A	N/A	N/A	N/A	Not Analyzed	N/A	N/A	N/A	N/A	N/A	N/A
17	17	FIELD BLANK OPEN	N/A	N/A	N/A	N/A	N/A	Not Analyzed	N/A	N/A	N/A	N/A	N/A	N/A
Comments									Equipment	TEM SCOPE #2 - Hitachi H-7000				

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



Zlatan Dimitrijevic
Laboratory Director



Antonio Cruz
TEM Analyst

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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 / mm² 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 $< 1\%$. Similarly, 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.

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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

DATE: 07/01/26

SHIFT
1

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M	T	W	T	F	S	S
			✓			

PROJECT #: 8062430033 PROJECT SITE: 5 East Main St.

WORK AREA: 5 East Main St.

TECHNICIAN: Vyacheslav Borovtchik NYS CERT #: 26-62K3R-STLAB

ROTOMETER #: ALC-16 CALABRATION DATE: 04.09.26 MANAGER: Hind's

LABORATORY USE ONLY

LABORATORY PROJECT #: TA26070002

FIELD SAMPLE ID NUMBER	DESCRIPTION LOCATION/ACTIVITY	SAMPLING PERIOD (MILITARY TIME)		Sample Time	CALIBRATION FLOW RATE		CAL. FLOW RATE AVERAGE	SAMPLE VOLUME (LITERS)	Fiber count per field	Airborne result F/cc
		START	STOP		PRE	POST				
SWA 1	>5ft of Personal Decon entrance	7:30	10:50	200	6	6	6	1200		
2	>5ft of Waste Decon entrance.	7:32	10:52	200	6	6	6	1200		
3	>5ft of Airlock entrance	7:34	10:54	200	6	6	6	1200		
4	North section of Steam	7:36	10:56	200	6	6	6	1200		
5	Northeast section of Steam Plant	7:38	10:58	200	6	6	6	1200		
6	east section of Steam Plant	7:40	11:00	200	6	6	6	1200		
✓ 7	Southeast section of Steam Plant.	7:42	11:02	200	6	6	6	1200		
SWA 8	>5ft of Personal Decon entrance.	11:20	14:50	210	6	6	6	1260		
9	>5ft of Waste Decon entrance.	11:22	14:52	210	6	6	6	1260		
10	>5ft of Airlock entrance	11:24	14:54	210	6	6	6	1260		
11	North section of Steam Plant	11:26	14:56	210	6	6	6	1260		
12	Northeast section of Steam Plant	11:28	14:58	210	6	6	6	1260		

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

RELINQUISHED BY: <u>Vyacheslav Borovtchik</u>	SIGNATURE: <u>[Signature]</u>	DATE:	TIME:	RECEIVED BY: <u>ADOLE</u>	SIGNATURE: <u>ALC</u>	DATE: <u>7/1/26</u>	TIME: <u>3:03P</u>
RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:

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

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☒ TEM

☐ PCM

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

DATE: ___/___/___

SHIFT

2

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M	T	W	T	F	S	S

PROJECT #: 80624B0033 PROJECT SITE: 5 East Main St.

WORK AREA: 5 East Main St.

TECHNICIAN: Vyacheslav Borovik CERT #: 26-62W3R-SHAB

ROTOMETER #: ALC-16 CALABRATION DATE: 04.09.26 MANAGER: Hind's.

LABORATORY USE ONLY

LABORATORY PROJECT #: T26070002

FIELD SAMPLE ID NUMBER	DESCRIPTION LOCATION/ACTIVITY	SAMPLING PERIOD (MILITARY TIME)		Sample Time	CALIBRATION FLOW RATE		CAL. FLOW RATE AVERAGE	SAMPLE VOLUME (LITERS)	Fiber count per field	Airborne result F/cc
		START	STOP		PRE	POST				
13	East section of Steam Plant	11:30	15:00	210	6	6	6	1260		
✓ 14	south east section of Steam Plant	11:32	15:02	210	6	6	6	1260		
FB 15										
FB 16										
FB 17										

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

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RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME: