

ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306

Attn: Mr. Bernard Orlan
N.Y.C. Board of Education

28-11 Queens Plaza North

Long Island City, NY 11101

Fax: (212) 475-4122 Phone: (212) 477-8941

Project: H.S. Of Economics And Finance, 9th Floor
100 Trinity Place, New York, NY

Received: 2/11/02 2:15:00 PM

ATC Group #: 6637

Analysis Date: 2/11/02

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
by EPA 40 CFR Part 763 Final Rule (AHERA)**

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²)	(S/cc)	Notes
04 6637-1	1805.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047
05 6637-2	1805.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047
06 6637-3	1814.50	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047
07 6637-4	1814.50	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047
08 6637-5	1824.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047
09 6637-6	1824.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047
10 6637-7	1824.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047

ROMAN PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Analysis Performed By:

ROMAN PEYSAKHOV

	F	B	C	M	>5μ
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-identified					

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TEM Asbestos (air) Count Sheet

<u>Client Name:</u>	NYC BOE	<u>Volume (liters):</u>	1805
<u>Lab Group #:</u>	6637	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	2	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	05	<u>Area Examined:</u>	0.04496 mm ²
<u>GRID BOX:</u>	812	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	5R15	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	4	<u>Analysis Date:</u>	2/11/02

Analysis Performed By:

ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ Aspect Ratio

✓ = Positive diffraction pattern properties conforming to laboratory identification criteria observed

✓ = EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber

B = Bundle (<3 fibers <1 fiber diameter apart)

C = Cluster (>2 Intersections)

M = Matrix

NSD = No Structures Detected

Grnd acceptances

<60% undissolved filler, overlapped or folded
<10% particulate coverage >50% coverage at
least 20 unfolded or overlapped gnd squares <
holes or opaque areas

AMPHIBOLES

Amosite

Crocidolite

Anthophyllite

Tremolite

Actinolite

Totals

	F	B	C	M	Other
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-Identified					

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	F	B	C	M	>5μ
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-Identified					

02/11/02 18:20 FAX 1212 588 0930

TEM Asbestos (air) Count Sheet

<u>Client Name:</u>	NYC BOE	<u>Volume (liters):</u>	1814.5
<u>Lab Group #:</u>	6637	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	4	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	07	<u>Area Examined:</u>	0.04496 mm ²
<u>GRID BOX:</u>	812	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	4553	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	4	<u>Analysis Date:</u>	2/11/02

Analysis Performed By: R.P.
ROMAN PEYSAKHOV

[illegible]

Struct: $> 0.5\mu$ $> 5:1$ Aspect Ratio

✓ = Positive diffraction pattern properties conforming to laboratory identification criteria observed

✓- EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber

E = Bundle (<2 fibers <1 fiber diameter apart)

C = Cluster (>3 Intersections)

M = Matrix

NSD = No Structures Detected

Grid acceptance:

<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage at
least 20 unfolded or overlapped grid squares <5%
holes or opaque areas

AMPHIBOLĒS

Arnosite

Crocidolite

Anthophyllite

Tremolite

Actinolite

Totals

	F	B	C	M	>50
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-identified					

<u>Client Name:</u>	NYC BOE	<u>Volume (liters):</u>	1824
<u>Lab Group #:</u>	6637	<u>Filter Type / Filter Area:</u>	MCE 385 mm-
<u>Lab Sample #:</u>	6	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	09	<u>Area Examined:</u>	0.04496 mm ²
<u>GRID BOX:</u>	212	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	3747	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	4	<u>Analysis Date:</u>	2/11/02

ROMAN PEYSAKHOV

[illegible]

Actinolite

	F	B	C	M	>5µ
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-identified					

TEM Asbestos (air) Count Sheet

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	F	B	C	M	>5μ
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-Identified					