

10/01/2001 10:43 FAX 212 353 8308

ATC

017/020

ATC Environmental, Inc.
104 East 25th Street
New York, New York 10010

N.Y.C. Housing Authority
250 Broadway, 16th Floor
New York, NY 10007

Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 09/16/01

ASBESTOS FIBER ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)

With Fiber Identification by Selected-Area Electron Diffraction (SAED) and Energy-Dispersive X-RAY Spectroscopy (EDS)
Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 250 Broadway, NY, NY
Floors 11, 27, 19, 8

Date Received: 09/16/01

Project Sample No.: 12

Air Volume: 1800 liters

Filter Type: MCB 25 mm diam., Pore Size: 0.45 um
Effective Area: 385 mm2

TEM Sample No.: 5512 - 59086

Grid Openings Analyzed: 4

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0450 mm2

Analytical Sensitivity: 22.2 f/mm2
0.0048 f/cg

FIBROUS PARTICULATES ANALYZED

Number Observed

CONCENTRATION

	Single			Matrix	Total.	Total	Filter		Air
	Fibers	Bundles	Clusters	Struct.	Struct.	>=5um	Struct/mm2	Struct/cc	ngm/m3
Chrysotile Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0
Total asbestos (includes ambiguous structures)					0	0	0.0	0.0000	0
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A
Totals (All Structures)					0	0	0.0	0.0000	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected
Amphibole Asbestos Type: None detected

The Analysis was carried out in accordance with the approved TEM method.
This laboratory is in compliance with the quality specified for the method.

Analyzed by:

Report Reviewed by:

Roman Peysakhov

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

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Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 250 Broadway, NY, NY
Floors 31, 27, 19, 8
Data Received: 09/16/01

Project Sample No.: 13

Air Volume: 1800 liters

Filter Type: MCF 25 mm diam., Pore Size: 0.45 um
Effective Area: 385 mm2

TEM Sample No.: 5512 - 59087

Grid Openings Analyzed: 4

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0450 mm2

Analytical Sensitivity: 22.2 s/mm2
0.0048 s/cc

FIBROUS PARTICULATES ANALYZED

	<u>Number Observed</u>			Matrix Struct.	Total. Struct.	Total Struct. ≥5µm	<u>CONCENTRATION</u>			
	Single						Filter		Air	
	Fibers	Bundles	Clusters				Struct./mm2	Struct/cc	ngm/m3	
Chrysotile Asbestos	0	0	0	0	0	0	0.0	0.0000	0	
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0	
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0	
Total asbestos (includes ambiguous structures)						0	0	0.0	0.0000	0
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A	
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A	
Totals (All Structures)						0	0	0.0	0.0000	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected
Amphibole Asbestos Type: None detected

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