NYC 9/11 Public Portal Document

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Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 10/05/01

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

Project/Site: H.S. for Economics & Finance, 100 Trinity Pl., NYC
Entire Building
Date Received: 10/04/01
Project Sample No.: HSEF-E-10/3-12
Air Volume: 1810 liters
Filter Type: MCE 25 mm diam., Pore Size: 0.45 um
Effective Area: 385 mm2

Analysis Parameters

TEM Sample No.: 5606 - 60090
Grid Openings Analyzed: 4
Average Grid Opening: 106.00 um
Total Area Analyzed: 0.0450 mm2
Analytical Sensitivity: 22.2 s/mm2
0.0047 s/cc

FIBROUS PARTICULATES ANALYZED

	Number Observed						CONCENTRATION		
	Single Fibers	Bundles	Clusters	Matrix Struct.	Total. Struct.	Total Struct. >=5um	Filter Struct/mm2	Filter Struct/cc	Air ngm/m3
Chrysotile Asbestos	1	0	0	0	1	1	22.2	0.0047	156
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)					1	1	22.2	0.0047	156
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)					1	1	22.2	0.0047	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:

Marek Peysakhov

Report Reviewed by:

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Director of Electron Microscopy

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