NYC 9/11 Public Portal Document

ATC Associates

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Project: 4109 White Plain Rd. Bronx
FDNY

Received: 5/16/02 8:00:00 AM
ATC Group #: 7758
Analysis Date: 5/16/02

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*	*5μ*	*Analytical Sensitivity (S/cc)*	*Asbestos Concentration (S/mm²)*	*(S/cc)*	*Notes*
01 *7758 -1* Veh. # 261	450.00	0.1124	0	None Detected	0	0	0.0076	<8.90	<0.0076	Fiber glass - None Detected ; Silicon - None Detected
02 *7758 -2* Vehicle # 489	450.00	0.1124	0	None Detected	0	0	0.0076	<8.90	<0.0076	Fiber glass - None Detected ; Silicon - None Detected

MARK 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 reports 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

NYC-WTC_000204995

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TEM Asbestos (air) Count Sheet

Client Name:	Cole	**Volume (liters):**	450
Lab Group #:	7758	**Filter Type / Filter Area:**	MCE 385 mm²
Lab Sample #:	1	**Grid Opening Size:**	0.01124
Client Sample #:	01	**Area Examined:**	0.1124 mm²
GRID BOX:	1141	**Magnification:**	20,000
GRID ID:	7PC	**Accelerating Voltage:**	100 KeV
# Grid Openings:	10	**Analysis Date:**	5/16/02

Analysis Performed By: MARK PEYSAKHOV

GO. No	GO. Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	>=5µ	ID of Structure N or √ Chrys	Amphibole	Nonasb NAG, S	Ambig/ND	EDS (Nonadb Elements)
1	B8	NSO									NSO		
2	E8	—									—		
3	J8	—									—		
4	Q9	—									—		
5	X8	—									—		
6	A3	—									—		
7	D3	—									—		
8	C7	—									—		
9	J3	—									—		
10	K5	—									—		

Struct = > 0.5µ > 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 (>3 Intersections)
M = Matrix
NSD = No Structures Detected

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

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

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TEM Asbestos (air) Count Sheet

Client Name:	Cole	**Volume (liters):**	450
Lab Group #:	7758	**Filter Type / Filter Area:**	MCE 385 mm²
Lab Sample #:	2	**Grid Opening Size:**	0.01124
Client Sample #:	02	**Area Examined:**	0.1124 mm²
GRID BOX:	HH	**Magnification:**	20,000
GRID ID:	2 EG	**Accelerating Voltage:**	100 KeV
# Grid Openings:	10	**Analysis Date:**	5/16/02

Analysis Performed By: MARK PEYSAKHOV

GO. No Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	>=5µ	ID of Structure N or √ Chrys	Amphibole	Nonasb	Ambig/ND	EDS (Nonadb Elements)
1 EE	NSD									NSD		
2 JE	— C									— C		
3 QE	— C									— C		
4 XE	— C									— C		
5 VI	— C									— C		
6 EE	— C									— C		
7 JE	— C									— C		
8 QE	— C									— C		
9 XE	— C									— C		
10 JE	— C									— C		

Struct = > 0.5µ > 5:1 Aspect Ratio

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

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F = Single Fiber
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<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

CITY_21MC100_010222053

NYC-WTC_000204997

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BAT #15 WHITE PLAIN RD. BRONX

ENVIRONMENTAL TECHNOLOGIES
2269 Saw Mill River Road - Bldg. 5
Elmsford, NY 10523
914-345-6000

7758
2/2

ASBESTOS AIR SAMPLE COLLECTION
& CHAIN OF CUSTODY

89846 - 89847

[redacted]

SITE 4107 White Plain Rd. Bronx TECHNICIAN S. K. Ar[illegible]
DATE 5/15/02 SIGNATURE [illegible]
PROJECT # FDNY CONTACT/PHONE [illegible]
BLDG. NO: [illegible] MOBILE #: [illegible]
ROTOMETER# [illegible] CASSETTE TYPE: 25mm [illegible] POLYCARBONATE
ANALYSIS REQUESTED: PCM TEM
Daily Activity: AQT. Test Performed: Pre: [illegible] Post: [illegible] P=Pass F=Fail

SAMPLE#	LOCATION	TIME START	TIME STOP	TOTAL MIN	FLOW RATE INITIAL / FINAL	VOL LITERS	FIBERS PER CC	P/F
01	INSIDE VEHICLE # 261	1230	1500	90	5 / 5	450		
02	INSIDE VEHICLE # 437	1430	1600	90	5 / 5	450		
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					/			

ANALYZED BY: _____ DATE ANALYZED: _____

COMMENTS: _____

SENT TO	DATE	TIME	# OF SAMPLES	RECEIVED BY	DATE	TIME
AT	[illegible]		-	[illegible]	5/16/02	[illegible]

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