

0008/008

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor - New York, NY 10010 Phone (212) 353-8280, FAX (212) 353-3599 or 8306

NVLAP 101187

ELAP 10879

Microscope OLYMP B11-2

Client / Project Amec Earth / WTC

Project No. _____

Analysis Date 9/21/01 Analyst Y ReyesBatch No. 2972

Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
01	Color <u>Grey</u>	Texture <u>Fin</u>	Morphology <u>W</u>	Extinction <u>1</u>	1.3 Chrysotile	32.7 Cellulose	77 Mineral Filler	Organic
	Homogeneity <u>+</u>	# of Layers <u>1</u>	RI I <u>1.519</u>	RI II <u>1.535</u>	Amosite	Fiberglass	Organic Binders	Residue
	Asbestos ☒	DS Color <u>W</u>	Color, Pico <u>ce</u>	Other		Other	Vermiculite	Carbonate
	Color of Layer	Detected Yes No	Biref <u>L</u>	Sign <u>P</u>			Other	Other
	Comments:							Asbestos
	Method: ☒ PLM ☐ PLM ☐ PLM ☐ OTHER ☒ SCANNING OPTICS: PLM (P.C.) & PLM First 4 prep. Asbestos = 0							

Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
02	Color <u>Grey</u>	Texture <u>Fin</u>	Morphology <u>W</u>	Extinction <u>1</u>	1.2 Chrysotile	33.8 Cellulose	75 Mineral Filler	Organic
	Homogeneity <u>+</u>	# of Layers <u>1</u>	RI I <u>1.519</u>	RI II <u>1.538</u>	Amosite	Fiberglass	Organic Binders	Residue
	Asbestos ☒	DS Color <u>W</u>	Color, Pico <u>ce</u>	Other		Other	Vermiculite	Carbonate
	Color of Layer	Detected Yes No	Biref <u>L</u>	Sign <u>P</u>			Other	Other
	Comments:							Asbestos
	Method: ☒ PLM ☐ PLM ☐ PLM ☐ OTHER ☒ SCANNING OPTICS: PLM (P.C.) & PLM First 4 prep. Asbestos = 0							

Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
03	Color <u>Grey</u>	Texture <u>Fin</u>	Morphology <u>W</u>	Extinction <u>1</u>	1.9 Chrysotile	33.8 Cellulose	75 Mineral Filler	Organic
	Homogeneity <u>+</u>	# of Layers <u>1</u>	RI I <u>1.519</u>	RI II <u>1.536</u>	Amosite	Fiberglass	Organic Binders	Residue
	Asbestos ☒	DS Color <u>W</u>	Color, Pico <u>ce</u>	Other		Other	Vermiculite	Carbonate
	Color of Layer	Detected Yes No	Biref <u>L</u>	Sign <u>P</u>			Other	Other
	Comments:							Asbestos
	Method: ☒ PLM ☐ PLM ☐ PLM ☐ OTHER ☒ SCANNING OPTICS: PLM (P.C.) & PLM First 4 prep. Asbestos = 0							

Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
04	Color <u>Grey</u>	Texture <u>Fin</u>	Morphology <u>W</u>	Extinction <u>1</u>	2.8 Chrysotile	30.2 Cellulose	77 Mineral Filler	Organic
	Homogeneity <u>+</u>	# of Layers <u>1</u>	RI I <u>1.517</u>	RI II <u>1.537</u>	Amosite	Fiberglass	Organic Binders	Residue
	Asbestos ☒	DS Color <u>W</u>	Color, Pico <u>ce</u>	Other		Other	Vermiculite	Carbonate
	Color of Layer	Detected Yes No	Biref <u>L</u>	Sign <u>P</u>			Other	Other
	Comments:							Asbestos
	Method: ☒ PLM ☐ PLM ☐ PLM ☐ OTHER ☒ SCANNING OPTICS: PLM (P.C.) & PLM First 4 prep. Asbestos = 0							

09/24/01 MON 12:16 [TX/RX NO 8780]

ATC
08/24/2001 11:18 FAX 212 353 8306
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104 East 25th Street, 10th Floor - New York, NY 10010 - Phone (212) 353 - 8280, FAX (212) 353 - 3589 or 8306

ELAP 10870

Microscope OLYMP BH-2

Answer Earth / WTC

Project No. _____

9/2/01

Analyst

4 Rays

Batch No.

2972

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Grimmetric (HOB) Results %
Gravimetric (HOB) Fungus ☐	Color _____ Texture _____	Morphology _____ Extinction _____	_____ Chrysotile	_____ Cellulose	_____ Mineral Fiber	_____ Organic
Microscopic ☐	Homogeneity _____	RI I _____ RI II _____	_____ Amosite	_____ Fiberglass	_____ Organic Binders	_____ Residue
Gravimetric PREP ☐	# of Layers _____ Asbestos ☐ ☐	DS Color _____ Color, Pleo _____	_____ Other	_____ Other	_____ Vermiculite	_____ Carbonate
Grimmetric (HOB) PLM ☐	Color of Layer _____ Detected Yes No	Brief _____ Sign _____			_____ Other	_____ Other
Grimmetric (HOB) TEM ☐	Comments:			O.C. ☐		_____ Asbestos
Polar Count (Indicate on Back)	Method: ☐ PUP + DPA ☐ ELAP ☐ DPA ☐ Direct ☐ SCHWABER OPTION = ELAP (P.C.) & DPA ²	First 9 prep. Asbestos = 0				