

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 10878

Microscope OLYMP BH-2

Client / Project NYC-DOE/M894, 90 TRINITY PLACE, NY, NY 10006Project No. 14584-0864Analysis Date 06/20/02Analyst E. A. CANTEROSBatch No. 20539

1 Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
01	Color <u>Gray</u>	Texture <u>Fib</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>65</u> Cellulose	<u>5</u> Mineral Filler	Organic
Gravimetric (NOB) Required ☐	Homogeneity <u>Y</u>	Asbestos ☐ ☒	RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
Recommended ☐	# of Layers	Detected Yes No	DS Color	Color, Pleo	<u>Other</u>	<u>30</u> Other	Vermiculite	Carbonate
Gravimetric PREP ☐	Color of Layer		Biref	Sign		<u>Hair & Synthetic</u>	Other	Other
Gravimetric (NOB) PLM ☐	Comments:							Asbestos
Gravimetric (NOB) TEM ☐	Method: ☐ ELAP + EPA ¹ ☐ ELAP ☐ EPA ¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA ¹ First 4 preps. Asbestos = 0							
POINT COUNT RESULTS ON THE BACK								
2 Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
02	Color <u>Gray</u>	Texture <u>Fib</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>55</u> Cellulose	<u>5</u> Mineral Filler	Organic
Gravimetric (NOB) Required ☐	Homogeneity <u>Y</u>	Asbestos ☐ ☒	RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
Recommended ☐	# of Layers	Detected Yes No	DS Color	Color, Pleo	<u>Other</u>	<u>40</u> Other	Vermiculite	Carbonate
Gravimetric PREP ☐	Color of Layer		Biref	Sign		<u>Hair & Synthetic</u>	Other	Other
Gravimetric (NOB) PLM ☐	Comments:							Asbestos
Gravimetric (NOB) TEM ☐	Method: ☐ ELAP + EPA ¹ ☐ ELAP ☐ EPA ¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA ¹ First 4 preps. Asbestos = 0							
POINT COUNT RESULTS ON THE BACK								
3 Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
03	Color <u>Gray</u>	Texture <u>Fib</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>70</u> Cellulose	<u>5</u> Mineral Filler	Organic
Gravimetric (NOB) Required ☐	Homogeneity <u>Y</u>	Asbestos ☐ ☒	RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
Recommended ☐	# of Layers	Detected Yes No	DS Color	Color, Pleo	<u>Other</u>	<u>25</u> Other	Vermiculite	Carbonate
Gravimetric PREP ☐	Color of Layer		Biref	Sign		<u>Hair & Synthetic</u>	Other	Other
Gravimetric (NOB) PLM ☐	Comments:							Asbestos
Gravimetric (NOB) TEM ☐	Method: ☐ ELAP + EPA ¹ ☐ ELAP ☐ EPA ¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA ¹ First 4 preps. Asbestos = 0							
POINT COUNT RESULTS ON THE BACK								
4 Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
04	Color <u>Gray</u>	Texture <u>Fib</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>65</u> Cellulose	<u>5</u> Mineral Filler	Organic
Gravimetric (NOB) Required ☐	Homogeneity <u>Y</u>	Asbestos ☐ ☒	RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
Recommended ☐	# of Layers	Detected Yes No	DS Color	Color, Pleo	<u>Other</u>	<u>30</u> Other	Vermiculite	Carbonate
Gravimetric PREP ☐	Color of Layer		Biref	Sign		<u>Hair & Synthetic</u>	Other	Other
Gravimetric (NOB) PLM ☐	Comments:							Asbestos
Gravimetric (NOB) TEM ☐	Method: ☐ ELAP + EPA ¹ ☐ ELAP ☐ EPA ¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA ¹ First 4 preps. Asbestos = 0							
POINT COUNT RESULTS ON THE BACK								

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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CITY_21MC100_011531552

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Client / Project NYC-DOE/M894, 90 TRINITY PLACE, NY, NY 10006Project No. 14584-0864Analysis Date 06/20/02Analyst E. A. CARTEROSBatch No. 20539

1	Field No. <u>05</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color <u>Gray</u> Texture <u>Fib.</u>	Morphology <u> </u> Extinction <u> </u>	Chrysotile <u> </u>	<u>70</u> Cellulose <u> </u>	<u>10</u> Mineral Filler <u> </u>	Organic <u> </u>	
Recommended ☐	Homogeneity <u>Y</u>	RI I <u> </u> RI II <u> </u>	Amosite <u> </u>	Fiberglass <u> </u>	Organic Binders <u> </u>	Residue <u> </u>	
Gravimetric PREP ☐	# of Layers <u> </u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	Other <u> </u>	<u>20</u> Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>	
Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Biref <u> </u> Sign <u> </u>		<u>Hair & Synthetic</u>	Other <u> </u>	Other <u> </u>	
Gravimetric (NOB) TEM ☐	Comments:					Asbestos <u> </u>	
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP & EPA ☐ ELAP ☐ EPA ☐ OTHER ☒	SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

2	Field No. <u>06</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color <u>Gray</u> Texture <u>Fib.</u>	Morphology <u> </u> Extinction <u> </u>	Chrysotile <u> </u>	<u>70</u> Cellulose <u> </u>	<u>5</u> Mineral Filler <u> </u>	Organic <u> </u>	
Recommended ☐	Homogeneity <u>Y</u>	RI I <u> </u> RI II <u> </u>	Amosite <u> </u>	Fiberglass <u> </u>	Organic Binders <u> </u>	Residue <u> </u>	
Gravimetric PREP ☐	# of Layers <u> </u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	Other <u> </u>	<u>25</u> Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>	
Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Biref <u> </u> Sign <u> </u>		<u>Hair & Synthetic</u>	Other <u> </u>	Other <u> </u>	
Gravimetric (NOB) TEM ☐	Comments:					Asbestos <u> </u>	
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP & EPA ☐ ELAP ☐ EPA ☐ OTHER ☒	SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

3	Field No. <u>07</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color <u>Gray</u> Texture <u>Fib.</u>	Morphology <u> </u> Extinction <u> </u>	Chrysotile <u> </u>	<u>60</u> Cellulose <u> </u>	<u>10</u> Mineral Filler <u> </u>	Organic <u> </u>	
Recommended ☐	Homogeneity <u>Y</u>	RI I <u> </u> RI II <u> </u>	Amosite <u> </u>	Fiberglass <u> </u>	Organic Binders <u> </u>	Residue <u> </u>	
Gravimetric PREP ☐	# of Layers <u> </u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	Other <u> </u>	<u>30</u> Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>	
Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Biref <u> </u> Sign <u> </u>		<u>Hair & Synthetic</u>	Other <u> </u>	Other <u> </u>	
Gravimetric (NOB) TEM ☐	Comments:					Asbestos <u> </u>	
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP & EPA ☐ ELAP ☐ EPA ☐ OTHER ☒	SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

4	Field No. <u>08</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color <u>Gray</u> Texture <u>Fib.</u>	Morphology <u> </u> Extinction <u> </u>	Chrysotile <u> </u>	<u>60</u> Cellulose <u> </u>	<u>5</u> Mineral Filler <u> </u>	Organic <u> </u>	
Recommended ☐	Homogeneity <u>Y</u>	RI I <u> </u> RI II <u> </u>	Amosite <u> </u>	Fiberglass <u> </u>	Organic Binders <u> </u>	Residue <u> </u>	
Gravimetric PREP ☐	# of Layers <u> </u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	Other <u> </u>	<u>35</u> Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>	
Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Biref <u> </u> Sign <u> </u>		<u>Hair & Synthetic</u>	Other <u> </u>	Other <u> </u>	
Gravimetric (NOB) TEM ☐	Comments:					Asbestos <u> </u>	
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP & EPA ☐ ELAP ☐ EPA ☐ OTHER ☒	SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

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