

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

NYLAP 101187

ELAP 10879

Microscope OLYMP BH-2

Client / Project NYCDOE/PSIM, 8 Henry St, NY NYProject No. 14584-0869Analysis Date 8/22/04 Analyst Milena LovelBatch No. 20753

1	Field No. <u>01</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	Gravimetric (NOB) Required ☐	Color <u>Tan</u>	Texture <u>FIB</u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u>70</u> Cellulose	<u>IV</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Y</u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u> </u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u>30</u> Other	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>		<u>Synthetic</u>	<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) TEM ☐	Comments:				D.C. ☐		<u> </u> Asbestos	
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>02</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>	<u> </u> Chrysotile	<u>70</u> Cellulose	<u>IV</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Y</u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u> </u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u>30</u> Other	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>		<u>Synthetic</u>	<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) TEM ☐	Comments:				D.C. ☐		<u> </u> Asbestos	
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>03</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>	<u> </u> Chrysotile	<u>70</u> Cellulose	<u>IV</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Y</u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u> </u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u>30</u> Other	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>		<u>Synthetic</u>	<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) TEM ☐	Comments:				D.C. ☐		<u> </u> Asbestos	
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>04</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	Gravimetric (NOB) Required ☐	Color <u>Brown</u>	Texture <u>FIB</u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u>50</u> Cellulose	<u>IV</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Y</u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u> </u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u>40</u> Other	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>		<u>Synthetic</u>	<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) TEM ☐	Comments:				D.C. ☐		<u> </u> Asbestos	
POINT COUNT RESULTS ON THE BACK		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒				SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			

CITY_21MC100_003015725

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NYLAP 101187

ELAP 10879

Microscope OLYMP BH-2

Client / Project NYCDOE/PSIM, 8 Henry St, NY NYProject No. 74584-0869Analysis Date 8/22/02 Analyst Milena LowelBatch No. 20753

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	Extinction	☐ Chrysotile	<u>50</u> Cellulose	<u>TR</u> Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	☐ Asbestos ☒	RI I	RI II	☐ Amosite	Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Detected Yes ☐ No ☒	DS Color	Color, Pleo	☐ Other	<u>50</u> Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer		Biref	Sign		<u>Synthetic</u>	☐ Other	☐ Other
	Gravimetric (NOB) TEM ☐	Comments:					D.C.		☐ Asbestos
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	Extinction	☐ Chrysotile	<u>80</u> Cellulose	<u>TR</u> Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	☐ Asbestos ☒	RI I	RI II	☐ Amosite	Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Detected Yes ☐ No ☒	DS Color	Color, Pleo	☐ Other	<u>18 Synthetic</u>	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer		Biref	Sign		<u>2% Hor</u>	☐ Other	☐ Other
	Gravimetric (NOB) TEM ☐	Comments:					D.C.		☐ Asbestos
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	Extinction	☐ Chrysotile	<u>80</u> Cellulose	<u>TR</u> Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	☐ Asbestos ☒	RI I	RI II	☐ Amosite	Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Detected Yes ☐ No ☒	DS Color	Color, Pleo	☐ Other	<u>10 Synthetic</u>	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer		Biref	Sign		<u>10 Horsehair</u>	☐ Other	☐ Other
	Gravimetric (NOB) TEM ☐	Comments:					D.C.		☐ Asbestos
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	Extinction	☐ Chrysotile	<u>80</u> Cellulose	<u>TR</u> Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	☐ Asbestos ☒	RI I	RI II	☐ Amosite	Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers <u>4</u>	Detected Yes ☐ No ☒	DS Color	Color, Pleo	☐ Other	<u>10 Synthetic</u>	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer		Biref	Sign		<u>10 Horsehair</u>	☐ Other	☐ Other
	Gravimetric (NOB) TEM ☐	Comments:					D.C.		☐ Asbestos
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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HVLAAP 101187

ELAP 10879

Microscope OLYMP BH-2

Client / Project NYC DOE / PS 114, 8 Henry St, NY NYProject No. 14584-0869Analysis Date 8/22/04 Analyst Milena LovelBatch No. 20753

1	Field No. <u>04</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>gray</u>	Texture <u>Fib</u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u>80</u> Cellulose	<u>TV</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u> </u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u> </u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u>NO</u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u>20</u> Other	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>		<u>Synthetic</u>	<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:				Q.C. ☐		<u>Asbestos</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>10</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>gray</u>	Texture <u>Fib</u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u>80</u> Cellulose	<u>TV</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u> </u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u> </u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u>NO</u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u>15</u> Synthetic	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>		<u>5 Horschair</u>	<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:				Q.C. ☐		<u>Asbestos</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>11</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>gray</u>	Texture <u>Fib</u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u>60</u> Cellulose	<u>TV</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u> </u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u>70</u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u>NO</u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u>20</u> Synthetic	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>		<u>20 Horschair</u>	<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:				Q.C. ☐		<u>Asbestos</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.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u> </u>	Texture <u> </u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u> </u> Cellulose	<u> </u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u> </u>	<u> </u>	RI I <u> </u>	RI II <u> </u>	<u> </u> Amosite	<u> </u> Fiberglass	<u> </u> Organic Binders	<u> </u> Residue
	Gravimetric PREP ☐	# of Layers <u> </u>	Asbestos ☐ ☒	DS Color <u> </u>	Color, Pleo <u> </u>	<u> </u> Other	<u> </u> Other	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u> </u>	Detected Yes ☐ No ☒	Biref <u> </u>	Sign <u> </u>			<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:				Q.C. ☐		<u>Asbestos</u>	
POINT COUNT RESULTS ON THE BACK		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐				SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			