

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 BH-2

Client / Project NYC BOE / M 894

Analysis Date 6/13/02 Analyst mic

Project No. 14574-0864

Batch No. 20516

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 01	Color <u>gray</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers <u>2</u> Asbestos ☐ ☒ Color of Layer <u> </u> Detected Yes No Comments:	Morphology <u> </u> Extinction <u> </u> RI I <u> </u> RI II <u> </u> DS Color <u> </u> Color, Pleo <u> </u> Biref <u> </u> Sign <u> </u>	☒ Chrysotile ☒ Amosite ☒ Other	<u>30</u> Cellulose <u>65</u> Fiberglass <u>5</u> Other a.c. <u> </u>	<u>5</u> Mineral Filler <u> </u> Organic Binders <u> </u> Vermiculite <u> </u> Other	<u> </u> Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Other <u> </u> Asbestos
POINT COUNT RESULTS ON THE BACK Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
2 02	Color <u>lt gray</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Asbestos ☐ ☒ Color of Layer <u> </u> Detected Yes No Comments:	Morphology <u> </u> Extinction <u> </u> RI I <u> </u> RI II <u> </u> DS Color <u> </u> Color, Pleo <u> </u> Biref <u> </u> Sign <u> </u>	☒ Chrysotile ☒ Amosite ☒ Other	<u>30</u> Cellulose <u>60</u> Fiberglass <u>10</u> Other a.c. <u> </u>	<u>10</u> Mineral Filler <u> </u> Organic Binders <u> </u> Vermiculite <u> </u> Other	<u> </u> Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Other <u> </u> Asbestos
POINT COUNT RESULTS ON THE BACK Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
3 03	Color <u>lt gray</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Asbestos ☐ ☒ Color of Layer <u> </u> Detected Yes No Comments:	Morphology <u> </u> Extinction <u> </u> RI I <u> </u> RI II <u> </u> DS Color <u> </u> Color, Pleo <u> </u> Biref <u> </u> Sign <u> </u>	☒ Chrysotile ☒ Amosite ☒ Other	<u>30</u> Cellulose <u>60</u> Fiberglass <u>10</u> Other a.c. <u> </u>	<u>10</u> Mineral Filler <u> </u> Organic Binders <u> </u> Vermiculite <u> </u> Other	<u> </u> Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Other <u> </u> Asbestos
POINT COUNT RESULTS ON THE BACK Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
4 04	Color <u>gray</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers <u>2</u> Asbestos ☐ ☒ Color of Layer <u> </u> Detected Yes No Comments:	Morphology <u> </u> Extinction <u> </u> RI I <u> </u> RI II <u> </u> DS Color <u> </u> Color, Pleo <u> </u> Biref <u> </u> Sign <u> </u>	☒ Chrysotile ☒ Amosite ☒ Other	<u>30</u> Cellulose <u>65</u> Fiberglass <u>5</u> Other a.c. <u> </u>	<u>5</u> Mineral Filler <u> </u> Organic Binders <u> </u> Vermiculite <u> </u> Other	<u> </u> Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Other <u> </u> Asbestos
POINT COUNT RESULTS ON THE BACK Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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CITY_21MC100_011531489

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

HVI AP 1011A7

ELAP 10079

Microscope OLYMP BH-2

Client / Project

NYC BOE / M 894

Project No.

Analysis Date

6/13/02

Analyst

m-w

Batch No.

20516

1	Field No. 05	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color <u>lt gray</u> Texture <u>F</u>	Morphology <u>RI I</u> Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>30</u> Cellulose	<u>5</u> Mineral Filler	<u>Organic</u>
		Homogeneity <u>X</u>	RI I <u>RI II</u>	<u>Amosite</u>	<u>65</u> Fiberglass	<u>Organic Binders</u>	<u>Residue</u>
		# of Layers <u>4</u> Asbestos <u>Yes</u> ☒ <u>No</u>	DS Color <u>Color, Pleo</u>	<u>Other</u>	<u>65</u> Other <u>synthetic hair</u>	<u>Vermiculite</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u> Yes <u>No</u>	Biref <u>Sign</u>		<u>q.c.</u>	<u>Other</u>	<u>Other</u>
		Comments:			☐		<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1 ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

2	Field No. 06	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color <u>lt gray</u> Texture <u>F</u>	Morphology <u>RI I</u> Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>30</u> Cellulose	<u>5</u> Mineral Filler	<u>Organic</u>
		Homogeneity <u>X</u>	RI I <u>RI II</u>	<u>Amosite</u>	<u>65</u> Fiberglass	<u>Organic Binders</u>	<u>Residue</u>
		# of Layers <u>4</u> Asbestos <u>Yes</u> ☒ <u>No</u>	DS Color <u>Color, Pleo</u>	<u>Other</u>	<u>65</u> Other <u>synthetic hair</u>	<u>Vermiculite</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u> Yes <u>No</u>	Biref <u>Sign</u>		<u>q.c.</u>	<u>Other</u>	<u>Other</u>
		Comments:			☐		<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1 ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

3	Field No. 07	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color <u>lt gray</u> Texture <u>F</u>	Morphology <u>RI I</u> Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>30</u> Cellulose	<u>5</u> Mineral Filler	<u>Organic</u>
		Homogeneity <u>X</u>	RI I <u>RI II</u>	<u>Amosite</u>	<u>65</u> Fiberglass	<u>Organic Binders</u>	<u>Residue</u>
		# of Layers <u>4</u> Asbestos <u>Yes</u> ☒ <u>No</u>	DS Color <u>Color, Pleo</u>	<u>Other</u>	<u>65</u> Other <u>synthetic hair</u>	<u>Vermiculite</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u> Yes <u>No</u>	Biref <u>Sign</u>		<u>q.c.</u>	<u>Other</u>	<u>Other</u>
		Comments:			☐		<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1 ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

4	Field No. 08	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color <u>gray</u> Texture <u>F</u>	Morphology <u>RI I</u> Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>30</u> Cellulose	<u>10</u> Mineral Filler	<u>Organic</u>
		Homogeneity <u>X</u>	RI I <u>RI II</u>	<u>Amosite</u>	<u>60</u> Fiberglass	<u>Organic Binders</u>	<u>Residue</u>
		# of Layers <u>4</u> Asbestos <u>Yes</u> ☒ <u>No</u>	DS Color <u>Color, Pleo</u>	<u>Other</u>	<u>60</u> Other <u>synthetic</u>	<u>Vermiculite</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u> Yes <u>No</u>	Biref <u>Sign</u>		<u>q.c.</u>	<u>Other</u>	<u>Other</u>
		Comments:			☐		<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION 1 ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

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m-w

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20516

1	Field No. <u>09</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>F</u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u>30</u> Cellulose	<u>5</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>65</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> a.c.	<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<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>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>F</u>	Morphology <u> </u>	Extinction <u> </u>	<u> </u> Chrysotile	<u>30</u> Cellulose	<u>5</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>65</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> a.c.	<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<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.	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> a.c.	<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<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.	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> a.c.	<u> </u> Other	<u> </u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<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			

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