

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 / Stuyvesant H.S.

Project No.

19117. 246

Analysis Date

5/29/02

Analyst

mld

Batch No.

20439

1	Field No. 01	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color <u>gray</u>	Texture <u>F</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>20</u> Cellulose	<u>10</u> Mineral Filler	Organic
		Homogeneity <u>L</u>		RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
		# of Layers <u>2</u>	Asbestos ☐ ☒	DS Color	Color, Pleo	<u>Other</u>	<u>79</u> Other <u>synthetic hair</u>	Vermiculite	Carbonate
		Color of Layer	Detected Yes No	Biref	Sign		a.c.	Other	Other
		Comments:						Asbestos	
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER		SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

2	Field No. 02	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color <u>gray</u>	Texture <u>F</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>20</u> Cellulose	<u>10</u> Mineral Filler	Organic
		Homogeneity <u>L</u>		RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
		# of Layers	Asbestos ☐ ☒	DS Color	Color, Pleo	<u>Other</u>	<u>79</u> Other <u>synthetic hair</u>	Vermiculite	Carbonate
		Color of Layer	Detected Yes No	Biref	Sign		a.c.	Other	Other
		Comments:						Asbestos	
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER		SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

3	Field No. 03	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color <u>gray</u>	Texture <u>F</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>30</u> Cellulose	<u>10</u> Mineral Filler	Organic
		Homogeneity <u>L</u>		RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
		# of Layers <u>2</u>	Asbestos ☐ ☒	DS Color	Color, Pleo	<u>Other</u>	<u>62</u> Other <u>synthetic hair</u>	Vermiculite	Carbonate
		Color of Layer	Detected Yes No	Biref	Sign		a.c.	Other	Other
		Comments:						Asbestos	
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER		SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

4	Field No. 04	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color <u>gray</u>	Texture <u>F</u>	Morphology	Extinction	<u>Chrysotile</u>	<u>30</u> Cellulose	<u>10</u> Mineral Filler	Organic
		Homogeneity <u>L</u>		RI I	RI II	<u>Amosite</u>	Fiberglass	Organic Binders	Residue
		# of Layers <u>2</u>	Asbestos ☐ ☒	DS Color	Color, Pleo	<u>Other</u>	<u>62</u> Other <u>synthetic hair</u>	Vermiculite	Carbonate
		Color of Layer	Detected Yes No	Biref	Sign		a.c.	Other	Other
		Comments:						Asbestos	
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER		SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0					

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NVLAP 101187

ELAP 10879

Microscope OLYMP BH-2

Client / Project NYC B02 / Stuyvesant HS.Project No. 19125.0246Analysis Date 5/29/02Analyst mmhBatch No. 20439

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>F</u>	Morphology <u> </u> Extinction <u> </u>	<u> </u> Chrysotile	<u>20</u> Cellulose	<u>10</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Z</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>2</u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	<u> </u> Other	<u>70</u> Other <u>synthetic & hair</u>	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Brief <u> </u> Sign <u> </u>			<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) 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>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>F</u>	Morphology <u> </u> Extinction <u> </u>	<u> </u> Chrysotile	<u>20</u> Cellulose	<u>10</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Z</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>2</u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	<u> </u> Other	<u>60</u> Other <u>synthetic & hair</u>	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Brief <u> </u> Sign <u> </u>			<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) 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. <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>F</u>	Morphology <u> </u> Extinction <u> </u>	<u> </u> Chrysotile	<u>20</u> Cellulose	<u>10</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Z</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>2</u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	<u> </u> Other	<u>60</u> Other <u>synthetic & hair</u>	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Brief <u> </u> Sign <u> </u>			<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) 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. <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>F</u>	Morphology <u> </u> Extinction <u> </u>	<u> </u> Chrysotile	<u>20</u> Cellulose	<u>10</u> Mineral Filler	<u> </u> Organic
	Recommended ☐	Homogeneity <u>Z</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>2</u> Asbestos ☐ ☒	DS Color <u> </u> Color, Pleo <u> </u>	<u> </u> Other	<u>70</u> Other <u>synthetic & hair</u>	<u> </u> Vermiculite	<u> </u> Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer <u> </u> Detected Yes No	Brief <u> </u> Sign <u> </u>			<u> </u> Other	<u> </u> Other
	Gravimetric (NOB) 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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Client / Project

NYC BOE / Sky version H.S.

Project No.

19125.0246

Analysis Date

5/29/02

Analyst

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Batch No.

20439

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

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

3	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color	Texture	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic
		Homogeneity	Asbestos ☐ ☐	RI I	RI II	Amosite	Fiberglass	Organic Binders	Residue
		# of Layers	Detected Yes No	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate
		Color of Layer		Brief	Sign			Other	Other
		Comments:						Asbestos	
		Method: ☐ ELAP + EPA ¹ ☐ ELAP ☐ EPA ¹ ☐ OTHER		SCANNING OPTION: ELAP (P.C.) & EPA ¹		First 4 preps. Asbestos = 0			

4	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color	Texture	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic
		Homogeneity	Asbestos ☐ ☐	RI I	RI II	Amosite	Fiberglass	Organic Binders	Residue
		# of Layers	Detected Yes No	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate
		Color of Layer		Brief	Sign			Other	Other
		Comments:						Asbestos	
		Method: ☐ ELAP + EPA ¹ ☐ ELAP ☐ EPA ¹ ☐ OTHER		SCANNING OPTION: ELAP (P.C.) & EPA ¹		First 4 preps. Asbestos = 0			