

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

EIAP 10079

Microscope OLYMP BH-2

Client / Project BOE / Stuyvesant H.S / 345 Chamber
 Analysis Date 4/27/02 Analyst Milena Lova

Project No. 1915-146
 Batch No. 20318A

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

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

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
3	Color <u>Black</u> Texture <u>E-Dust</u> Homogeneity <u>Y</u> # of Layers <u>40</u> Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments: _____ Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Brief _____ Sign _____	_____ Chrysotile _____ Amosite _____ Other	<u>TR</u> Cellulose <u>TR</u> Fiberglass _____ Other	<u>100</u> Mineral Filler _____ Organic Binders _____ Vermiculite _____ Other	_____ Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
4	Color <u>Black</u> Texture <u>E-Dust</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments: _____ Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Brief _____ Sign _____	_____ Chrysotile _____ Amosite _____ Other	<u>TR</u> Cellulose <u>TR</u> Fiberglass _____ Other	<u>100</u> Mineral Filler _____ Organic Binders _____ Vermiculite _____ Other	_____ Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos

CITY_21MC100_003049297

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 - 3509 or 8306

NYLAP 101107

ELAP 10070

Microscope OLYMP BH-2

Client / Project 30E / Stuyvesant H.S. / 345 ChambersProject No. 19125-246Analysis Date 4/27/02Analyst Mileva LouiBatch No. 2031P A

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 12	Color <u>Gray</u> Texture <u>F-D</u> Homogeneity <u>Y</u> # of Layers <u>60</u> Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments:	Morphology _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	Chrysotile ☒ Amosite ☒ Other ☒	Cellulose ☒ Fiberglass ☒ Other ☒	Mineral Filler <u>100</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
POINT COUNT RESULTS ON THE BACK	Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER	SCANNING OPTIONS: ELAP (P.C.) & EPA ☒ First 4 preps. Asbestos = 0	Q.C. ☐			
2 13	Color <u>Gray</u> Texture <u>F-D</u> Homogeneity <u>Y</u> # of Layers <u>60</u> Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments:	Morphology _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	Chrysotile ☒ Amosite ☒ Other ☒	Cellulose ☒ Fiberglass ☒ Other ☒	Mineral Filler <u>100</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
POINT COUNT RESULTS ON THE BACK	Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER	SCANNING OPTIONS: ELAP (P.C.) & EPA ☒ First 4 preps. Asbestos = 0	Q.C. ☐			
3 14	Color <u>Gray</u> Texture <u>F-D</u> Homogeneity <u>Y</u> # of Layers <u>60</u> Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments:	Morphology _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	Chrysotile ☒ Amosite ☒ Other ☒	Cellulose ☒ Fiberglass ☒ Other ☒	Mineral Filler <u>100</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
POINT COUNT RESULTS ON THE BACK	Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER	SCANNING OPTIONS: ELAP (P.C.) & EPA ☒ First 4 preps. Asbestos = 0	Q.C. ☐			
4 15	Color <u>Black</u> Texture <u>F-D</u> Homogeneity <u>Y</u> # of Layers <u>60</u> Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments:	Morphology _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	Chrysotile ☒ Amosite ☒ Other ☒	Cellulose ☒ Fiberglass ☒ Other ☒	Mineral Filler <u>100</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
POINT COUNT RESULTS ON THE BACK	Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER	SCANNING OPTIONS: ELAP (P.C.) & EPA ☒ First 4 preps. Asbestos = 0	Q.C. ☐			

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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 Or YP BH-2

Client / Project BOE / Stuyvesant H.S. / 345 ChambersProject No. 19125-246Analysis Date 4/27/02Analyst Milena LandBatch No. 20318A

1	Field No. <u>16</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	Color <u>Black</u>	Texture <u>P-fiber</u>	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic	
	Homogeneity <u>Y</u>	Asbestos ☐ ☒ DS Color	RI I	RI II	Amosite	Fiberglass	Organic Binders	Residue	
	# of Layers <u>two</u>	Detected Yes No	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate	
	Color of Layer	Detected Yes No	Biref	Sign			Other	Other	
	Comments:							Asbestos	
	Method: ☒ ELAP ☐ EPA ☐ ELAP ☐ EPA ☐ OTHER	☒ SCANNING OPTICAL ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

2	Field No. <u>17</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	Color <u>Black</u>	Texture <u>P-fiber</u>	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic	
	Homogeneity <u>Y</u>	Asbestos ☐ ☒ DS Color	RI I	RI II	Amosite	Fiberglass	Organic Binders	Residue	
	# of Layers <u>two</u>	Detected Yes No	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate	
	Color of Layer	Detected Yes No	Biref	Sign			Other	Other	
	Comments:							Asbestos	
	Method: ☒ ELAP ☐ EPA ☐ ELAP ☐ EPA ☐ OTHER	☒ SCANNING OPTICAL ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

3	Field No. <u>18</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	Color <u>White</u>	Texture <u>P-fiber</u>	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic	
	Homogeneity <u>Y</u>	Asbestos ☐ ☒ DS Color	RI I	RI II	Amosite	Fiberglass	Organic Binders	Residue	
	# of Layers <u>two</u>	Detected Yes No	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate	
	Color of Layer	Detected Yes No	Biref	Sign			Other	Other	
	Comments:							Asbestos	
	Method: ☒ ELAP ☐ EPA ☐ ELAP ☐ EPA ☐ OTHER	☒ SCANNING OPTICAL ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

4	Field No. <u>19</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	Color <u>Green</u>	Texture <u>P-fiber</u>	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic	
	Homogeneity <u>Y</u>	Asbestos ☐ ☒ DS Color	RI I	RI II	Amosite	Fiberglass	Organic Binders	Residue	
	# of Layers <u>two</u>	Detected Yes No	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate	
	Color of Layer	Detected Yes No	Biref	Sign			Other	Other	
	Comments:							Asbestos	
	Method: ☒ ELAP ☐ EPA ☐ ELAP ☐ EPA ☐ OTHER	☒ SCANNING OPTICAL ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

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NVLAP 101187

ELAP 10879

Microscope OLYMP BH 2

Client / Project

BOE/Stuyvesant H.S./245 Chambers

Project No.

19125-246

Analysis Date

4/07/02

Analyst

Hilary Court

Batch No.

20318A

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results/PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 20	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>100</u> Color of Layer: _____ Detected: Yes ☐ No ☒	Morphology: _____ RI I: _____ DS Color: _____ Brief: _____ Sign: _____	Chrysotile: ☒ Amosite: ☒ Other: ☒	Cellulose: <u>20</u> Fiberglass: <u>10</u> Other: _____	Mineral Filler: <u>60</u> Organic Binders: _____ Vermiculite: _____ Other: _____	Organic: _____ Residue: _____ Carbonate: _____ Other: _____ Asbestos: _____
Comments: _____ Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
2 21	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>100</u> Color of Layer: _____ Detected: Yes ☐ No ☒	Morphology: _____ RI I: _____ DS Color: _____ Brief: _____ Sign: _____	Chrysotile: ☒ Amosite: ☒ Other: ☒	Cellulose: <u>25</u> Fiberglass: <u>25</u> Other: _____	Mineral Filler: <u>50</u> Organic Binders: _____ Vermiculite: _____ Other: _____	Organic: _____ Residue: _____ Carbonate: _____ Other: _____ Asbestos: _____
Comments: _____ Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
3 22	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>100</u> Color of Layer: _____ Detected: Yes ☐ No ☒	Morphology: _____ RI I: _____ DS Color: _____ Brief: _____ Sign: _____	Chrysotile: ☒ Amosite: ☒ Other: ☒	Cellulose: <u>20</u> Fiberglass: <u>20</u> Other: _____	Mineral Filler: <u>60</u> Organic Binders: _____ Vermiculite: _____ Other: _____	Organic: _____ Residue: _____ Carbonate: _____ Other: _____ Asbestos: _____
Comments: _____ Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
4 23	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>100</u> Color of Layer: _____ Detected: Yes ☐ No ☒	Morphology: _____ RI I: _____ DS Color: _____ Brief: _____ Sign: _____	Chrysotile: ☒ Amosite: ☒ Other: ☒	Cellulose: <u>20</u> Fiberglass: <u>20</u> Other: _____	Mineral Filler: <u>60</u> Organic Binders: _____ Vermiculite: _____ Other: _____	Organic: _____ Residue: _____ Carbonate: _____ Other: _____ Asbestos: _____
Comments: _____ Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						

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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

INV LAP 101187

ELAP 10879

Microscope OLYMP BH-2

Client / Project

BOE/Stuyvesant H.S./345 Chambers

Project No.

19125-246

Analysis Date

4/27/02

Analyst

Melanie Lovel

Batch No.

2031PA

Field No. 1	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color <u>Green</u>	Texture <u>F</u>	Morphology <u>Asbestos</u>	Extinction <u>RI I</u>	<u>Chrysotile</u>	<u>Cellulose</u>	<u>Mineral Filler</u>	<u>Organic</u>
Recommended ☐	Homogeneity <u>4</u>	# of Layers <u>100</u>	Asbestos ☐ ☐	RI <u>RI II</u>	<u>Amosite</u>	<u>Fiberglass</u>	<u>Organic Binders</u>	<u>Residue</u>
Gravimetric PREP ☐	Color of Layer	Detected Yes ☐ No ☐	DS Color	Color, Pleo	<u>Other</u>	<u>Other</u>	<u>Vermiculite</u>	<u>Carbonate</u>
Gravimetric (NOB) PLM ☐	Comments:		Biref	Sign			<u>Other</u>	<u>Other</u>
Gravimetric (NOB) TEM ☐	Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐		SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0		Q.C. ☐		Asbestos	

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

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

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

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