

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

BOE / Stuyvesant H.S. / 345 Chambers

Project No.

191254246

Analysis Date

4/27/02

Analyst

Milena Cowd

Batch No.

20318

1	Field No. <u>NY17-101</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>Dust</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>40</u> Cellulose	<u>60</u> Mineral Filler	Organic
	Recommended ☐	Homogeneity <u>Y</u>	Asbestos ☐	DS Color ☒	Color, Pleo	<u>Amosite</u>	<u>40</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	# of Layers <u>10</u>	Detected Yes ☐ No ☒	Biref	Sign	Other	Other	Vermiculite	Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer						Other	Other
	Gravimetric (NOB) TEM ☐	Comments:				q.c. ☐		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	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>Brown</u>	Texture <u>Dust</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>40</u> Cellulose	<u>60</u> Mineral Filler	Organic
	Recommended ☐	Homogeneity <u>Y</u>	Asbestos ☐	DS Color ☒	Color, Pleo	<u>Amosite</u>	<u>50</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	# of Layers <u>10</u>	Detected Yes ☐ No ☒	Biref	Sign	Other	Other	Vermiculite	Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer						Other	Other
	Gravimetric (NOB) TEM ☐	Comments:				q.c. ☐		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	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>Brown</u>	Texture <u>Dust</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>40</u> Cellulose	<u>20</u> Mineral Filler	Organic
	Recommended ☐	Homogeneity <u>Y</u>	Asbestos ☐	DS Color ☒	Color, Pleo	<u>Amosite</u>	<u>40</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	# of Layers <u>10</u>	Detected Yes ☐ No ☒	Biref	Sign	Other	Other	Vermiculite	Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer						Other	Other
	Gravimetric (NOB) TEM ☐	Comments:				q.c. ☐		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	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>Dust</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>40</u> Cellulose	<u>20</u> Mineral Filler	Organic
	Recommended ☐	Homogeneity <u>Y</u>	Asbestos ☐	DS Color ☒	Color, Pleo	<u>Amosite</u>	<u>40</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	# of Layers <u>10</u>	Detected Yes ☐ No ☒	Biref	Sign	Other	Other	Vermiculite	Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer						Other	Other
	Gravimetric (NOB) TEM ☐	Comments:				q.c. ☐		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

CONFIDENTIAL,

CITY_21MC100_003432949

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 30E / Stuyvesant H.S. / 345 ChambersProject No. 19125 - 246Analysis Date 4/07/02Analyst William LowBatch No. 20318

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1 <u>05</u>	Color <u>Brown</u> Texture <u>F-D</u> Morphology _____ Homogeneity <u>Y</u> Asbestos ☐ ☒ DS Color _____ # of Layers <u>10</u> Detected Yes No Biref _____ Color of Layer _____ Sign _____	Extinction _____ RI I _____ RI II _____ Color, Pleo _____ Sign _____	☒ Chrysotile ☒ Amosite ☒ Other	<u>40</u> Cellulose <u>40</u> Fiberglass Other _____	<u>20</u> Mineral Filler Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Comments: _____					POINT COUNT RESULTS ON THE BACK
Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
2 <u>06</u>	Color <u>Brown</u> Texture <u>F-D</u> Morphology _____ Homogeneity <u>Y</u> Asbestos ☐ ☒ DS Color _____ # of Layers <u>10</u> Detected Yes No Biref _____ Color of Layer _____ Sign _____	Extinction _____ RI I _____ RI II _____ Color, Pleo _____ Sign _____	☒ Chrysotile ☒ Amosite ☒ Other	<u>40</u> Cellulose <u>40</u> Fiberglass Other _____	<u>20</u> Mineral Filler Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Comments: _____					POINT COUNT RESULTS ON THE BACK
Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
3 <u>07</u>	Color <u>Brown</u> Texture <u>F-D</u> Morphology _____ Homogeneity <u>Y</u> Asbestos ☐ ☒ DS Color _____ # of Layers <u>10</u> Detected Yes No Biref _____ Color of Layer _____ Sign _____	Extinction _____ RI I _____ RI II _____ Color, Pleo _____ Sign _____	☒ Chrysotile ☒ Amosite ☒ Other	<u>50</u> Cellulose <u>40</u> Fiberglass Other _____	<u>10</u> Mineral Filler Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Comments: _____					POINT COUNT RESULTS ON THE BACK
Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						
4 <u>08</u>	Color <u>Brown</u> Texture <u>F-D</u> Morphology _____ Homogeneity <u>Y</u> Asbestos ☐ ☒ DS Color _____ # of Layers <u>10</u> Detected Yes No Biref _____ Color of Layer _____ Sign _____	Extinction _____ RI I _____ RI II _____ Color, Pleo _____ Sign _____	☒ Chrysotile ☒ Amosite ☒ Other	<u>50</u> Cellulose <u>40</u> Fiberglass Other _____	<u>10</u> Mineral Filler Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Comments: _____					POINT COUNT RESULTS ON THE BACK
Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0						

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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CITY_21MC100_003432950

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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NVLAP 101187

ELAP 10879

Microscope OLYP BH-2

Client / Project

BOE / Steuyvesant H.S. / 345 Chamber

Project No.

19125-246

Analysis Date

04/27/02

Analyst

McLoud

Batch No.

20318

1	Field No. <u>09</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>fr.</u>	Morphology	Extinction	☒ Chrysotile	<u>40</u> Cellulose	<u>20</u> Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>Y</u>	<u>no</u>	RI I	RI II	☐ Amosite	<u>40</u> Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers	Asbestos ☐	DS Color	Color, Pleo	☐ Other	☐ Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer	Detected Yes No	Biref	Sign			☐ Other	☐ Asbestos
	Gravimetric (NOB) TEM ☐	Comments:					Q.C. ☐		
	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>09A</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>fr.</u>	Morphology	Extinction	☒ Chrysotile	<u>40</u> Cellulose	<u>20</u> Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>Y</u>	<u>no</u>	RI I	RI II	☐ Amosite	<u>40</u> Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers	Asbestos ☐	DS Color	Color, Pleo	☐ Other	☐ Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer	Detected Yes No	Biref	Sign			☐ Other	☐ Asbestos
	Gravimetric (NOB) TEM ☐	Comments:					Q.C. ☐		
	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 (NOB) Results %
	Gravimetric (NOB) Required ☐	Color	Texture	Morphology	Extinction	☐ Chrysotile	☐ Cellulose	☐ Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity		RI I	RI II	☐ Amosite	☐ Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers	Asbestos ☐	DS Color	Color, Pleo	☐ Other	☐ Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer	Detected Yes No	Biref	Sign			☐ Other	☐ Asbestos
	Gravimetric (NOB) TEM ☐	Comments:					Q.C. ☐		
	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 (NOB) Results %
	Gravimetric (NOB) Required ☐	Color	Texture	Morphology	Extinction	☐ Chrysotile	☐ Cellulose	☐ Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity		RI I	RI II	☐ Amosite	☐ Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	# of Layers	Asbestos ☐	DS Color	Color, Pleo	☐ Other	☐ Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (NOB) PLM ☐	Color of Layer	Detected Yes No	Biref	Sign			☐ Other	☐ Asbestos
	Gravimetric (NOB) TEM ☐	Comments:					Q.C. ☐		
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0							

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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CITY_21MC100_003432951