

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

NVIAP 101187

ELAP 10870

Microscope OLYMP BH-2

Client / Project NYC BOE / STUYVESANT HS (M477), 345 CHAMBERS ST. NY Project No 19125-0246Analysis Date 10/31/01Analyst E. A. CARTEROSBatch No 19682

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 01	Color <u>Brown</u> Texture <u>GR.</u> Homogeneity <u>Y</u> # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments: _____	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	Chrysotile ☒ Amosite ☒ Other ☒	Cellulose <u>1</u> Fiberglass _____ Other _____	Mineral Filler <u>99</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐			
2 02	Color <u>Brown</u> Texture <u>GR.</u> Homogeneity <u>Y</u> # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments: _____	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	Chrysotile ☒ Amosite ☒ Other ☒	Cellulose <u>3</u> Fiberglass _____ Other _____	Mineral Filler <u>96</u> Organic Binders _____ Vermiculite _____ Other <u>Paint</u>	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐			
3 03	Color <u>Brown</u> Texture <u>GR.</u> Homogeneity <u>Y</u> # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments: _____	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	Chrysotile ☒ Amosite ☒ Other ☒	Cellulose <u>5</u> Fiberglass _____ Other _____	Mineral Filler <u>95</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐			
4 04	Color <u>Brown</u> Texture <u>GR.</u> Homogeneity <u>Y</u> # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments: _____	Morphology _____ Extinction _____ 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 _____
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐			

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

CONFIDENTIAL

CITY_21MC100-002026615

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

INCLAP 101187

ELAP 10879

Microscope OLYMP BH-2

Client / Project NYC BOE / STUYVESANT HS (M477), 345 CHAMBERS ST. NY Project No. 19125-0246Analysis Date 10/31/01 Analyst E. A. CHARTERS Batch No. 19682

1	Field No. <u>05</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required ☐		Color <u>Brown</u>	Texture <u>GR</u>	Morphology	Extinction	☒ Chrysotile	<u>5</u> Cellulose	<u>95</u> Mineral Filler	Organic
Recommended ☐		Homogeneity <u>Y</u>		RI I	RI II	☒ Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐		# of Layers	Asbestos ☐ ☒	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM ☐		Color of Layer	Detected Yes No	Biref	Sign			Other	Other
Gravimetric (HOB) TEM ☐		Comments:							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 (HOB) Results %
Gravimetric (HOB) Required ☐		Color <u>Brown/Tan</u>	Texture <u>GR/Fib</u>	Morphology	Extinction	☒ Chrysotile	<u>50</u> Cellulose	<u>50</u> Mineral Filler	Organic
Recommended ☐		Homogeneity <u>Y</u>		RI I	RI II	☒ Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐		# of Layers	Asbestos ☐ ☒	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM ☐		Color of Layer	Detected Yes No	Biref	Sign			Other	Other
Gravimetric (HOB) TEM ☐		Comments:							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 (HOB) Results %
Gravimetric (HOB) Required ☐		Color <u>Brown</u>	Texture <u>GR</u>	Morphology	Extinction	☒ Chrysotile	<u>7</u> Cellulose	<u>93</u> Mineral Filler	Organic
Recommended ☐		Homogeneity <u>Y</u>		RI I	RI II	☒ Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐		# of Layers	Asbestos ☐ ☒	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM ☐		Color of Layer	Detected Yes No	Biref	Sign			Other	Other
Gravimetric (HOB) TEM ☐		Comments:							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 (HOB) Results %
Gravimetric (HOB) Required ☐		Color <u>Brown/Tan</u>	Texture <u>GR/Fib</u>	Morphology	Extinction	☒ Chrysotile	<u>80</u> Cellulose	<u>20</u> Mineral Filler	Organic
Recommended ☐		Homogeneity <u>N</u>		RI I	RI II	☒ Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐		# of Layers	Asbestos ☐ ☒	DS Color	Color, Pleo	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM ☐		Color of Layer	Detected Yes No	Biref	Sign			Other	Other
Gravimetric (HOB) TEM ☐		Comments:							Asbestos
POINT COUNT RESULTS ON THE BACK		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0							

CONFIDENTIAL, SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

CITY_21MC100_002026616

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

EPA 1011B

EPA 1087B

Microscope OLYMPUS

Client / Project NYC DOE / STUYVESANT HS (M477), 345 CHAMBERS ST. NY Project No. 19125-0246Analysis Date 10/31/01 Analyst E. A. Chatterjee Batch No. 19682

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 <u>09</u>	Color <u>Brown/Tan</u> Texture <u>Gr/Fib</u> Homogeneity <u>N</u> # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments:	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	☒ Chrysotile ☒ Amosite ☒ Other	<u>80</u> Cellulose Fiberglass Other	<u>50</u> Mineral Filler Organic Binders Vermiculite Other	Organic Residue Carbonate Other Asbestos
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			O.C. ☐			
2 <u>10</u>	Color <u>Brown/Tan</u> Texture <u>Gr/Fib</u> Homogeneity <u>N</u> # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No Comments:	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	☒ Chrysotile ☒ Amosite ☒ Other	<u>70</u> Cellulose <u>10</u> Fiberglass <u>None</u> Other	<u>20</u> Mineral Filler Organic Binders Vermiculite Other	Organic Residue Carbonate Other Asbestos
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			O.C. ☐			
3	Color _____ Texture _____ Homogeneity _____ # of Layers _____ Asbestos ☐ ☐ Color of Layer _____ Detected Yes No Comments:	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	☐ Chrysotile ☐ Amosite ☐ Other	☐ Cellulose ☐ Fiberglass ☐ Other	☐ Mineral Filler ☐ Organic Binders ☐ Vermiculite ☐ Other	Organic Residue Carbonate Other Asbestos
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			O.C. ☐			
4	Color _____ Texture _____ Homogeneity _____ # of Layers _____ Asbestos ☐ ☐ Color of Layer _____ Detected Yes No Comments:	Morphology _____ Extinction _____ RI I _____ RI II _____ DS Color _____ Color, Pleo _____ Biref _____ Sign _____	☐ Chrysotile ☐ Amosite ☐ Other	☐ Cellulose ☐ Fiberglass ☐ Other	☐ Mineral Filler ☐ Organic Binders ☐ Vermiculite ☐ Other	Organic Residue Carbonate Other Asbestos
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			O.C. ☐			

CONFIDENTIAL, SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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