

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 10870

Microscope OLYMP BH-2

Client / Project NYC BOE/PS 89M, 201 WARREN ST., NEW YORK NY 10082 Project No. 19125-0246Analysis Date 01/14/02 Analyst E. A. Charters Batch No. 19920

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1 01	Color _____ Texture _____ Homogeneity _____ # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No	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
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐ POINT COUNT RESULTS ON THE BACK	Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☒ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐		
2 02	Color _____ Texture _____ Homogeneity _____ # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No	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
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐ POINT COUNT RESULTS ON THE BACK	Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☒ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐		
3 03	Color _____ Texture _____ Homogeneity _____ # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No	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
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐ POINT COUNT RESULTS ON THE BACK	Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☒ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐		
4 04	Color _____ Texture _____ Homogeneity _____ # of Layers _____ Asbestos ☐ ☒ Color of Layer _____ Detected Yes No	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
Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐ POINT COUNT RESULTS ON THE BACK	Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☒ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0			Q.C. ☐		

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor - New York, NY 10010 - Phone (212) 353 - 8260, FAX (212) 353 - 3599 or 8306

NVLAP 101187

ELAP 10079

Microscope OLYMP BH-2

Client / Project NYC-BOE/PS 89M, 201 WARREN ST.

Project No. _____

Analysis Date 01/14/02Analyst E. A. CARTERSBatch No. 19920

1	Field No. <u>05</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (HOB) Required ☐		Color _____	Texture _____	Morphology _____	Extinction _____	Chrysotile _____	☒ Cellulose	☒ Mineral Filler	Organic _____
Recommended ☐		Homogeneity _____	Asbestos ☐ ☒	RI I _____	RI II _____	Amosite _____	Fiberglass _____	Organic Binders _____	Residue _____
Gravimetric PREP ☐		# of Layers _____	Detected Yes No	DS Color _____	Color, Pleo _____	Other _____	Other _____	Vermiculite _____	Carbonate _____
Gravimetric (HOB) PLM ☐		Color of Layer _____		Biref _____	Sign _____			Other _____	Other _____
Gravimetric (HOB) TEM ☐		Comments:					Q.C. ☐		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 (HOB) Required ☐		Color _____	Texture _____	Morphology _____	Extinction _____	Chrysotile _____	☒ Cellulose	☒ Mineral Filler	Organic _____
Recommended ☐		Homogeneity _____	Asbestos ☐ ☒	RI I _____	RI II _____	Amosite _____	Fiberglass _____	Organic Binders _____	Residue _____
Gravimetric PREP ☐		# of Layers _____	Detected Yes No	DS Color _____	Color, Pleo _____	Other _____	Other _____	Vermiculite _____	Carbonate _____
Gravimetric (HOB) PLM ☐		Color of Layer _____		Biref _____	Sign _____			Other _____	Other _____
Gravimetric (HOB) TEM ☐		Comments:					Q.C. ☐		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 (HOB) Required ☐		Color _____	Texture _____	Morphology _____	Extinction _____	Chrysotile _____	☒ Cellulose	☒ Mineral Filler	Organic _____
Recommended ☐		Homogeneity _____	Asbestos ☐ ☒	RI I _____	RI II _____	Amosite _____	Fiberglass _____	Organic Binders _____	Residue _____
Gravimetric PREP ☐		# of Layers _____	Detected Yes No	DS Color _____	Color, Pleo _____	Other _____	Other _____	Vermiculite _____	Carbonate _____
Gravimetric (HOB) PLM ☐		Color of Layer _____		Biref _____	Sign _____			Other _____	Other _____
Gravimetric (HOB) TEM ☐		Comments:					Q.C. ☐		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 (HOB) Required ☐		Color _____	Texture _____	Morphology _____	Extinction _____	Chrysotile _____	☒ Cellulose	☒ Mineral Filler	Organic _____
Recommended ☐		Homogeneity _____	Asbestos ☐ ☒	RI I _____	RI II _____	Amosite _____	Fiberglass _____	Organic Binders _____	Residue _____
Gravimetric PREP ☐		# of Layers _____	Detected Yes No	DS Color _____	Color, Pleo _____	Other _____	Other _____	Vermiculite _____	Carbonate _____
Gravimetric (HOB) PLM ☐		Color of Layer _____		Biref _____	Sign _____			Other _____	Other _____
Gravimetric (HOB) TEM ☐		Comments:					Q.C. ☐		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

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

NVLAP 101187

ELAP 10876

Microscope OLYMP BH-2

Client / Project NYC-BOE/PS 89 M 201 WARREN ST.Project No. 19125-0246Analysis Date 01/14/02Analyst E. A. CARTELOBatch No. 19920

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 _____	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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			

2	Field No. <u>10</u>	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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			

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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			

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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			

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	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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			

2	Field No. <u>10</u>	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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			

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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			

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 _____	Other _____
	Gravimetric (NOB) 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				D.C. ☐			