ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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NVLAP 101187
ELAP 10879
Microscope OLYP BH 2

PS234

Client / Project NYC-BOE / 292 Greenwich St / NY NY10007 Project No. 14584-0823

Analysis Date 05/18/02 Analyst Milena Lowd Batch No. 20397

1 Field No. C1	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Brown Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	TR Cellulose	99 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	TR Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 2 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	___ Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___		1% Horsehair	___ Other	___ Other
Gravimetric (NOB) TEM ☐	Comments:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

2 Field No. C2	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 2 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:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

3 Field No. C3	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 2 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	___ Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___		TR Synthetic	___ Other	___ Other
Gravimetric (NOB) TEM ☐	Comments:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

4 Field No. C4	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 2 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	___ Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___		TR Synthetic	___ Other	___ Other
Gravimetric (NOB) TEM ☐	Comments:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008
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CITY_21MC100_003388122

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NVLAP 101187
ELAP 10879
Microscope OLYP BH 2

P.S 234

Client / Project NYC-BOE / 292 Greenwich St / NY NY 10007 Project No. 14584-0823

Analysis Date 05/18/01 Analyst Milena Lourd Batch No. 20397

1 Field No. C 5	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Tan Texture Coarse Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	___ Chrysotile ___ Amosite ___ Other	TR Cellulose ___ Fiberglass ___ Other TR Synthetic	100 Mineral Filler ___ Organic Binders ___ Vermiculite ___ Other	___ Organic ___ Residue ___ Carbonate ___ Other ___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

2 Field No. C 6	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Gray Texture Coarse Homogenity Y # of Layers 4 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	___ Chrysotile ___ Amosite ___ Other	TR Cellulose ___ Fiberglass ___ Other TR Synthetic	100 Mineral Filler ___ Organic Binders ___ Vermiculite ___ Other	___ Organic ___ Residue ___ Carbonate ___ Other ___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

3 Field No. C 7	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Tan Texture Coarse Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	___ Chrysotile ___ Amosite ___ Other	___ Cellulose ___ Fiberglass ___ Other	100 Mineral Filler ___ Organic Binders ___ Vermiculite ___ Other	___ Organic ___ Residue ___ Carbonate ___ Other ___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

4 Field No. C 8	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Brown Texture Coarse Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	___ Chrysotile ___ Amosite ___ Other	___ Cellulose ___ Fiberglass ___ Other	100 Mineral Filler ___ Organic Binders ___ Vermiculite ___ Other	___ Organic ___ Residue ___ Carbonate ___ Other ___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

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NVLAP 101187
ELAP 10879
Microscope Of YP BH-2

P.S. 234

Client / Project NYC-BOE / 292 Greenwich St / NY NY 10007 Project No. 14584-0823

Analysis Date 05/18/02 Analyst Milena Lowd Batch No. 20397

1 Field No. 04	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color TGN Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 1 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:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION : ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

2 Field No. 10	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color TGN Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 1 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:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION : ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

3 Field No. 11	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color TGN Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	2 Cellulose	98 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 1 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:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION : ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

4 Field No. 12	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color TGN Texture Gr	Morphology ___ Extinction ___	TR Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 1 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	___ Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___		TR Synthetic	___ Other	___ Other
Gravimetric (NOB) TEM ☐	Comments:			Q.C. ☒		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☒ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION : ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

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NVLAP 101197
ELAP 10879
Microscope OLYP BH 2

Client / Project NYC-BOE / 292 Greenwich St / NY NY 10007 P.S 234 Project No. 14584-0823

Analysis Date 05/18/06 Analyst Milena Lowd Batch No. 20397

1 Field No. 12	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Tan Texture Coh Homogenity Y # of Layers two Asbestos ☐ ☒ Color of Layer ____ Detected Yes No	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Bfref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass TR Other TR Synthetic TR Hornblende	100 Mineral Filler ____ Organic Binders ____ Vermiculite ____ Other	____ Organic ____ Residue ____ Carbonate ____ Other ____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION I: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

2 Field No. 14	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Tan Texture Coh Homogenity Y # of Layers four Asbestos ☐ ☒ Color of Layer ____ Detected Yes No	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Bfref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass TR Other TR Synthetic.	100 Mineral Filler ____ Organic Binders ____ Vermiculite ____ Other	____ Organic ____ Residue ____ Carbonate ____ Other ____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION I: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

3 Field No. 13	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Tan Texture Coh Homogenity Y # of Layers four Asbestos ☐ ☒ Color of Layer ____ Detected Yes No	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Bfref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass TR Other TR Synthetic	100 Mineral Filler ____ Organic Binders ____ Vermiculite ____ Other	____ Organic ____ Residue ____ Carbonate ____ Other ____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION I: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

4 Field No. 11	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐	Color Tan Texture Coh Homogenity Y # of Layers five Asbestos ☐ ☒ Color of Layer ____ Detected Yes No	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Bfref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass TR Other TR Synthetic	100 Mineral Filler ____ Organic Binders ____ Vermiculite ____ Other	____ Organic ____ Residue ____ Carbonate ____ Other ____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION I: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

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NVLAP 101187
ELAP 10870
Microscope OLYMPUS BH 2

PS234

Client / Project NYC-BOE / 292 Greenwich St / NY NY10007 Project No. 14584-0823

Analysis Date 05/18/02 Analyst Milena Lourd Batch No. 20397

	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1	11	Color Tan Texture Gran Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	— Chrysotile / Amosite — Other	— Cellulose — Fiberglass — Other Tr Synthetic	100 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
		Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		
2	Field No. 13	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color Tan Texture Gran Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	— Chrysotile / Amosite — Other	— Cellulose — Fiberglass — Other Tr Synthetic	100 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
		Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☒ OTHER ☐ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		
3	Field No. 14	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color Brown Texture Gr Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	— Chrysotile — Amosite — Other	2 Cellulose — Fiberglass — Other Tr Synthetic	98 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
		Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		
4	Field No. 21	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color Tan Texture Gran Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI l — RI ll — DS Color — Color,Pleo — Biref — Sign —	— Chrysotile — Amosite / Other	1% Cellulose — Fiberglass — Other	99 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
		Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

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Microscope OLYP BH-2

P.S 234

Client / Project NYC-BOE / 292 Greenwich St / NY NY 10007 Project No. 14584-0823

Analysis Date 05/18/02 Analyst Milena Lowd Batch No. 20397

1 Field No. 21	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity 4	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 4 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:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

2 Field No. 22	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity 4	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 4 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:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

3 Field No. 23	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity 4	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 4 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	___ Other TR Synthetic	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___			___ Other	___ Other
Gravimetric (NOB) TEM ☐	Comments:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

4 Field No. 24	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity 4	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 4 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	___ Other TR Synthetic	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___			___ Other	___ Other
Gravimetric (NOB) TEM ☐	Comments:			Q.C. ☐		___ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

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ELAP 10879
Microscope OLYP BH 2

P.5234

Client / Project NYC-BOE / 292 Greenwich St / NY NY10007 Project No. 14584-0823

Analysis Date 05/18/01 Analyst Milena Lourd Batch No. 20397

	1 Field No. 2-3	2 Field No. 2-6	3 Field No. 2-7	4 Field No. 2-8
Gravimetric (NOB) Required	☐	☐	☐	☐
Recommended	☐	☐	☐	☐
Gravimetric PREP	☐	☐	☐	☐
Gravimetric (NOB) PLM	☐	☐	☐	☐
Gravimetric (NOB) TEM	☐	☐	☐	☐
POINT COUNT RESULTS ON THE BACK				
Stereoscopic Exam				
Color	Tan	Brown	Brown	Tan
Texture	Gr.	Gr.	Gr.	Gr.
Homogenity	Y	Y	Y	Y
# of Layers	1L	1L	1L	1L
Asbestos	☐ ☒	☐ ☒	☐ ☒	☐ ☒
Color of Layer	—	—	—	—
Detected	Yes No	Yes No	Yes No	Yes No
Comments:				
Method:	☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			
PLM Optical Properties				
Morphology	—	—	—	—
Extinction	—	—	—	—
RI ∥	—	—	—	—
RI ⊥	—	—	—	—
DS Color	—	—	—	—
Color,Pleo	—	—	—	—
Biref	—	—	—	—
Sign	—	—	—	—
Asbestos Results PLM %				
Chrysotile	Tr	Tr	—	—
Amosite	—	—	—	—
Other	—	—	—	—
Other Fibrous %				
Cellulose	Tr	Tr	Tr	2
Fiberglass	—	—	—	—
Other	—	—	Tr Synthetic	—
a.c.	☐	☐	☐	☐
Non Fibrous %				
Mineral Filler	100	100	100	98
Organic Binders	—	—	—	—
Vermiculite	—	—	—	—
Other	—	—	—	—
Gravimetric (NOB) Results %				
Organic	—	—	—	—
Residue	—	—	—	—
Carbonate	—	—	—	—
Other	—	—	—	—
Asbestos	—	—	—	—

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008 CONFIDENTIAL, CITY_21MC100_000388128

NYC-WTC_000410091

NYC 9/11 Public Portal Document

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 OLYP BH 2

P.S 234

Client / Project NYC-BOE / 292 Greenwich St / NY NY10007 Project No. 14584-0823

Analysis Date 05/18/02 Analyst Milena Covic Batch No. 20397

#	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1	26	Color Wht Gry Texture Fine Homogenity Y # of Layers 4 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI ∥ — RI ⊥ — DS Color — Color,Pleo — Biref — Sign —	☐ Chrysotile ☐ Amosite ☒ Other	2 Cellulose ☐ Fiberglass ☐ Other	98 Mineral Filler ☐ Organic Binders ☐ Vermiculite ☐ Other	☐ Organic ☐ Residue ☐ Carbonate ☐ Other ☐ Asbestos
2	3C	Color Tan Gry Texture Fine Homogenity Y # of Layers 2 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI ∥ — RI ⊥ — DS Color — Color,Pleo — Biref — Sign —	☐ Chrysotile ☐ Amosite ☒ Other	Tr Cellulose ☐ Fiberglass ☐ Other	100 Mineral Filler ☐ Organic Binders ☐ Vermiculite ☐ Other	☐ Organic ☐ Residue ☐ Carbonate ☐ Other ☐ Asbestos
3	3	Color Tan Gry Texture Fine Homogenity Y # of Layers 4 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI ∥ — RI ⊥ — DS Color — Color,Pleo — Biref — Sign —	☐ Chrysotile ☐ Amosite ☒ Other	Tr Cellulose ☐ Fiberglass ☐ Other	100 Mineral Filler ☐ Organic Binders ☐ Vermiculite ☐ Other	☐ Organic ☐ Residue ☐ Carbonate ☐ Other ☐ Asbestos
4	3L	Color Tan Gry Texture Fine Homogenity Y # of Layers 4 Asbestos ☐ ☒ Color of Layer — Detected Yes No Comments:	Morphology — Extinction — RI ∥ — RI ⊥ — DS Color — Color,Pleo — Biref — Sign —	☐ Chrysotile ☐ Amosite ☒ Other	2 Cellulose ☐ Fiberglass ☐ Other	98 Mineral Filler ☐ Organic Binders ☐ Vermiculite ☐ Other	☐ Organic ☐ Residue ☐ Carbonate ☐ Other ☐ Asbestos

Gravimetric (NOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEM ☐

POINT COUNT RESULTS ON THE BACK

Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0

Q.C. ☐

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

CITY_21MC100_00338129

NYC-WTC_000410092

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NVLAP 101187
ELAP 10879
Microscope OLYP BH 2

PS 234 M

Client / Project NYC-BOE / 292 Greenwich St / NY NY10007 Project No. 14584-0823

Analysis Date 05/18/02 Analyst Milena Lourd Batch No. 20397

1 Field No. 33	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (DOB) Required ☐	Color Tan Texture Gr	Morphology ____ Extinction ____	____ Chrysotile	2 Cellulose	93 Mineral Filler	____ Organic
Recommended ☐	Homogenity 4	RI ℓ ____ RI ‖ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 12 Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	5 Other	____ Vermiculite	____ Carbonate
Gravimetric (DOB) PLM ☐	Color of Layer ____ Detected Yes No	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (DOB) TEM ☐	Comments:			Q.C. ☐		____ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

2 Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (DOB) Required ☐	Color ____ Texture ____	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI ℓ ____ RI ‖ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers ____ Asbestos ☐ ☐	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (DOB) PLM ☐	Color of Layer ____ Detected Yes No	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (DOB) TEM ☐	Comments:			Q.C. ☐		____ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

3 Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (DOB) Required ☐	Color ____ Texture ____	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI ℓ ____ RI ‖ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers ____ Asbestos ☐ ☐	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (DOB) PLM ☐	Color of Layer ____ Detected Yes No	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (DOB) TEM ☐	Comments:			Q.C. ☐		____ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

4 Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (DOB) Required ☐	Color ____ Texture ____	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI ℓ ____ RI ‖ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers ____ Asbestos ☐ ☐	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (DOB) PLM ☐	Color of Layer ____ Detected Yes No	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (DOB) TEM ☐	Comments:			Q.C. ☐		____ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

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NYC-WTC_000410093