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

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

Analysis Date 05/11/02 Analyst M. Lowd Batch No. 20373

1 Field No. 01	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 Y		RI ǁ ____	RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 01	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. 02	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 Y		RI ǁ ____	RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 01	Asbestos ☐ ☒	DS Color ____	Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ____	Detected Yes No	Biref ____	Sign ____			In 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						

3 Field No. 03	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 Y		RI ǁ ____	RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 01	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. 04	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 Y		RI ǁ ____	RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 01	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						

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008 CONFIDENTIAL, CITY_21MC100_00338096

NYC-WTC_000410067

NYC 9/11 Public Portal Document

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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NVLAP 101187
ELAP 10870
Microscope OLYP BH 2

Client / Project NYC BOE / P.S 234M / 292 Greenwich St, NY Project No. 14554-052

Analysis Date 05/11/02 Analyst M. Lowd Batch No. 20313

1 Field No. 05	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Grn	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ 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 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

2 Field No. 06	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Grn	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ 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 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

3 Field No. 07	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Grn	Morphology ____ Extinction ____	____ Chrysotile	10 Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ 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 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

4 Field No. 08	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Grn	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	10 Mineral Filler	____ Organic
Recommended ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ 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 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008 CONFIDENTIAL,
CITY_21MC100_0033880097

NYC-WTC_000410068

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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 OLYP BH 2

Client / Project NYC-BOE / P.S 234M / 292 Greenwich St, NY Project No. 14557-C

Analysis Date 05/11/02 Analyst M. Lowe Batch No. 20313

1 Field No. 09	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	10 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI ǁ ___ RI ⊥ ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers M 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 1: 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 Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI ǁ ___ RI ⊥ ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers M 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 1: 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 Tan Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	10 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI ǁ ___ RI ⊥ ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers M 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. ☐	Tr Synthetic	___ 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. 12	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	10 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI ǁ ___ RI ⊥ ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers M 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 1: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008 CONFIDENTIAL, CITY_21MC100_003388098

NYC-WTC_000410069

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NVLAP 101187
ELAP 10879
Microscope OLYP BH 2

Client / Project NYC-BOE / P.S 234M / 292 Greenwich St, NY Project No. 14554-[illegible]

Analysis Date 05/11/02 Analyst M. Lowd Batch No. 20[illegible]

1 Field No. 13	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 Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers N Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	___ Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___			Tk Synthetic	___ 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. 14	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 Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers N 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. 15	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 Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers N 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. 16	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 Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers N 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					

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

CITY_21MC100_003388099

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NVLAP 101187
ELAP 10870
Microscope OLYP BH 2

Client / Project NYC BOE / PS 234M / 292 Greenwich St, NY Project No. 14554-002

Analysis Date 05/11/02 Analyst M. Lourd Batch No. 20213

1 Field No. 17	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	10 Mineral Filler	___ Organic
Recommended ☐	Homogenity H	RI ∥ ___	RI ⊥ ___	___ 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:				O.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. 18	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	10 Mineral Filler	___ Organic
Recommended ☐	Homogenity H	RI ∥ ___	RI ⊥ ___	___ 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:				O.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. 19	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	10 Mineral Filler	___ Organic
Recommended ☐	Homogenity H	RI ∥ ___	RI ⊥ ___	___ 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:				O.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. 20	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	10 Mineral Filler	___ Organic
Recommended ☐	Homogenity H	RI ∥ ___	RI ⊥ ___	___ 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:				O.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 CONFIDENTIAL,

CITY_21MC100_003388100

NYC-WTC_000410071

NYC 9/11 Public Portal Document

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NVLAP 101187
ELAP 10879
Microscope OLYP BH 2

Client / Project NYC-BOE / P.S 234M / 292 Greenwich St, NY Project No. 14557-[illegible]

Analysis Date 05/11/02 Analyst M. Lowe Batch No. 21[illegible]

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	10 Mineral Filler	____ Organic
Recommended ☐	Homogenity V	RI I ____ RI II ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 1	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Asbestos ☐ ☒	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (NOB) TEM ☐	Color of Layer ____ Detected Yes No					____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	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	____ Cellulose	10 Mineral Filler	____ Organic
Recommended ☐	Homogenity V	RI I ____ RI II ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 1	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Asbestos ☐ ☒	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (NOB) TEM ☐	Color of Layer ____ Detected Yes No					____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	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	____ Cellulose	10 Mineral Filler	____ Organic
Recommended ☐	Homogenity V	RI I ____ RI II ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 1	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Asbestos ☐ ☒	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (NOB) TEM ☐	Color of Layer ____ Detected Yes No					____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	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	____ Cellulose	10 Mineral Filler	____ Organic
Recommended ☐	Homogenity V	RI I ____ RI II ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers 1	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Asbestos ☐ ☒	Biref ____ Sign ____			____ Other	____ Other
Gravimetric (NOB) TEM ☐	Color of Layer ____ Detected Yes No					____ Asbestos
POINT COUNT RESULTS ON THE BACK	Comments:			Q.C. ☐		
	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 CONFIDENTIAL,

CITY_21MC100_003388101

NYC-WTC_000410072

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NVLAP 101187
ELAP 10870
Microscope OLYMPUS BH-2

Client / Project NYC-BOE / P.S 234M / 292 Canal St. NY Project No. 14554-[illegible]

Analysis Date 05/11/02 Analyst M. Lowe Batch No. 20313

1 Field No. 25	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan	Texture Grn+F	Morphology W	Extinction P	0.25 Chrysotile	TR Cellulose	40 Mineral Filler	Organic
Recommended ☐	Homogenity H	RI ⊥ 1.540	RI ∥ 1.570		Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐	# of Layers TR	Asbestos ☐ ☐	DS Color M/M	Color,Pleo C/N	Other	Other	Vermiculite	Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer	Detected Yes No	Biref L	Sign P			Other	Other
Gravimetric (NOB) TEM ☐	Comments:					O.C. ☒		Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER	☐ SCANNING OPTION¹: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0						

2 Field No. 26	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan	Texture Grn	Morphology	Extinction	Chrysotile	TR Cellulose	100 Mineral Filler	Organic
Recommended ☐	Homogenity H	RI ⊥	RI ∥		Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐	# of Layers TR	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:					O.C. ☐		Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☑ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER	☒ SCANNING OPTION¹: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0						

3 Field No. 27	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan	Texture Grn	Morphology	Extinction	Chrysotile	Cellulose	10 Mineral Filler	Organic
Recommended ☐	Homogenity H	RI ⊥	RI ∥		Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐	# of Layers TR	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:					O.C. ☐		Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☑ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER	☒ SCANNING OPTION¹: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0						

4 Field No. 28	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan	Texture Grn	Morphology	Extinction	Chrysotile	Cellulose	10 Mineral Filler	Organic
Recommended ☐	Homogenity H	RI ⊥	RI ∥		Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP ☐	# of Layers TR	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:					O.C. ☐		Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER	☒ SCANNING OPTION¹: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0						

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

CITY_21MC100_0033881O2

NYC-WTC_000410073

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NVLAP 101187
ELAP 10879
Microscope OLYP BH 2

Client / Project NYC-BOE / P.S. 234M / 292 Greenwich St, NY Project No. 14554-0[illegible]

Analysis Date 05/11/02 Analyst M. Lowd Batch No. 20[illegible]

1 Field No. 29	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gn	Morphology ___ Extinction ___	___ Chrysotile	Tn Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers n 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. 30	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gn	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers n 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. 31	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gn	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers n 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. 32	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan Texture Gn	Morphology ___ Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI I ___ RI II ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers n 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					

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008
CITY_21MC100_003388103

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NVLAP 101187
ELAP 10872
Microscope OLYP BH 2

Client / Project NYC BOE / P.S. 234 M/292 Greenwich St., NY Project No. 14557.002

Analysis Date 05/11/02 Analyst M. Conrad Batch No. 20313

1 Field No. 33	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Tan	Texture Coarse	Morphology ____	Extinction ____	____ Chrysotile	____ Cellulose	10 Mineral Filler	____ Organic
Recommended ☐	Homogenity Y	RI l ____	RI ll ____	____ 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 (F.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 (NOB) Required ☐	Color ____	Texture ____	Morphology ____	Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI l ____	RI ll ____	____ 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:				Q.C. ☐			____ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION: ELAP (F.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 (NOB) Required ☐	Color ____	Texture ____	Morphology ____	Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI l ____	RI ll ____	____ 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:				Q.C. ☐			____ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION: ELAP (F.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 (NOB) Required ☐	Color ____	Texture ____	Morphology ____	Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI l ____	RI ll ____	____ 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:				Q.C. ☐			____ Asbestos
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION: ELAP (F.C.) & EPA¹ First 4 preps. Asbestos = 0							

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