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 10879
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Lourd Batch No. 20494

1 Field No. 01	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	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity H	RI ∥ ____ 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 : 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 Gray Texture Gr	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity H	RI ∥ ____ 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 : 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 Gray Texture Gr	Morphology ____ Extinction ____	____ Chrysotile	Tr Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity H	RI ∥ ____ 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 : 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	Tr Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity H	RI ∥ ____ 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 : ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

CITY_21MC100_002920204

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ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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NVLAP 101187
ELAP 10879
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Loiud Batch No. 20494

	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 Field No. 05	Color Gray Texture GR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers N Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric PREP ☐						
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					

	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
2 Field No. 06	Color Brown Texture GR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers N Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric PREP ☐						
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					

	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
3 Field No. 07	Color Brown Texture GR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers N Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	____ Other	____ Vermiculite	____ Carbonate
Gravimetric PREP ☐						
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					

	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
4 Field No. 08	Color Gray Texture GR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity Y	RI ∥ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers N Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	Tr Synthetic	____ Vermiculite	____ Carbonate
Gravimetric PREP ☐						
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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NVLAP 101187
ELAP 10879
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Lowd Batch No. 20494

	1 Field No. 09	2 Field No. 10	3 Field No. 11	4 Field No. 12
Gravimetric (NOB) Required	☐	☐	☐	☐
Gravimetric (NOB) Recommended	☐	☐	☐	☐
Gravimetric PREP	☐	☐	☐	☐
Gravimetric (NOB) PLM	☐	☐	☐	☐
Gravimetric (NOB) TEM	☐	☐	☐	☐
POINT COUNT RESULTS ON THE BACK	☐	☐	☐	☐
Stereoscopic Exam				
Color	Gray	Brown	Gray	Brown
Texture	GR	GR	GR	GR
Homogenity	U	U	U	U
# of Layers	4	4	4	4
Asbestos	☐	☐	☐	☐
Detected Yes				
Detected No	☒	☒	☒	☒
Color of Layer	—	—	—	—
Comments:				
Method: ELAP + EPA¹	☐	☐	☐	☐
Method: ELAP	☐	☐	☐	☐
Method: EPA¹	☐	☐	☐	☐
Method: OTHER	☐	☐	☐	☐
SCANNING OPTION: 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	—	—	—	—
Amosite	—	—	—	—
Other	—	—	—	—
Other Fibrous %				
Cellulose	—	—	—	—
Fiberglass	—	—	—	—
Other	—	—	—	—
Q.C.	☐	☐	☐	☐
Non Fibrous %				
Mineral Filler	100	100	100	100
Organic Binders	—	—	—	—
Vermiculite	—	—	—	—
Other	—	—	—	—
Gravimetric (NOB) Results %				
Organic	—	—	—	—
Residue	—	—	—	—
Carbonate	—	—	—	—
Other	—	—	—	—
Asbestos	—	—	—	—

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NVLAP 101187
ELAP 10870
Microscope OLYP BH-2

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

Analysis Date 06/08/02 — Analyst Milena Lewal — Batch No. 20494

#	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1	13	Color Brown; Texture Gr; 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 /	Cellulose —; Fiberglass —; Other —	100 Mineral Filler; Organic Binders —; Vermiculite —; Other —	Organic —; Residue —; Carbonate —; Other —; Asbestos —
2	14	Color Tan; Texture Gr; 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 —	100 Mineral Filler; Organic Binders —; Vermiculite —; Other —	Organic —; Residue —; Carbonate —; Other —; Asbestos —
3	15	Color Grey; Texture Gr; 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 /	Cellulose —; Fiberglass —; Other —	100 Mineral Filler; Organic Binders —; Vermiculite —; Other —	Organic —; Residue —; Carbonate —; Other —; Asbestos —
4	16	Color Brown; Texture Gr; 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 /	Cellulose —; Fiberglass —; Other —	100 Mineral Filler; Organic Binders —; Vermiculite —; Other —	Organic —; Residue —; Carbonate —; Other —; Asbestos —

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

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

Q.C. ☐

POINT COUNT RESULTS ON THE BACK

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NVLAP 101187
ELAP 10879
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Lewd Batch No. 20494

1 Field No. 17	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray Texture CR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity V	RI ∥ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers M Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	TR Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ____ Detected Yes No	Biref ____ Sign ____		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					

2 Field No. 18	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray Texture CR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity V	RI ∥ ____ RI ⊥ ____	____ Amosite	TR Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers M Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	TR Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ____ Detected Yes No	Biref ____ Sign ____		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. 19	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray Texture CR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI ∥ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Gravimetric PREP ☐	# of Layers ____ Asbestos ☐ ☒	DS Color ____ Color,Pleo ____	____ Other	TR Other	____ Vermiculite	____ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ____ Detected Yes No	Biref ____ Sign ____		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. 20	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray Texture CR	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	100 Mineral Filler	____ Organic
Recommended ☐	Homogenity ____	RI ∥ ____ RI ⊥ ____	____ 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 (P.C.) & EPA¹ First 4 preps. Asbestos = 0					

CITY_21MC100_002920208

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NVLAP 101167
ELAP 10879
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Lowd Batch No. 20494

1 Field No. 21	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray 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					

2 Field No. 22	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray 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	TR Other 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					

3 Field No. 23	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray 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 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. 24	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	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					

CITY_21MC100_002920209

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NVLAP 101187
ELAP 10870
Microscope OLYP BH-2

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Analysis Date 06/08/02 — Analyst Milena Lowd — Batch No. 20494

1 Field No. 25	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray — Texture Cr.	Morphology ___ — Extinction ___	___ Chrysotile	___ Cellulose	100 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: 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 Brown — Texture Cr.	Morphology ___ — Extinction ___	___ Chrysotile	___ Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI ∥ ___ — RI ⊥ ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 4 — Asbestos ☐ ☒	DS Color ___ — Color,Pleo ___	___ Other	TR Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ — Detected Yes No	Biref ___ — Sign ___		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. 27	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Cr. — Texture Cr.	Morphology ___ — Extinction ___	___ Chrysotile	___ Cellulose	100 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: 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 Cr. — Texture Cr.	Morphology ___ — Extinction ___	___ Chrysotile	TR Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity Y	RI ∥ ___ — RI ⊥ ___	___ Amosite	___ Fiberglass	___ Organic Binders	___ Residue
Gravimetric PREP ☐	# of Layers 4 — Asbestos ☐ ☒	DS Color ___ — Color,Pleo ___	___ Other	TR Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ — Detected Yes No	Biref ___ — Sign ___		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 101187
ELAP 10879
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Lowd Batch No. 20494

1 Field No. 24	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray 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 4 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	Tr Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___		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					

2 Field No. 30	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray 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 4 Asbestos ☐ ☒	DS Color ___ Color,Pleo ___	___ Other	Tr Other	___ Vermiculite	___ Carbonate
Gravimetric (NOB) PLM ☐	Color of Layer ___ Detected Yes No	Biref ___ Sign ___		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. 31	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
Gravimetric (NOB) Required ☐	Color Gray Texture Gr	Morphology ___ Extinction ___	___ Chrysotile	Tr Cellulose	100 Mineral Filler	___ Organic
Recommended ☐	Homogenity ___	RI I ___ RI II ___	___ Amosite	Tr 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 (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 Gray 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 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					

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NVLAP 101187
ELAP 10879
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Lewd Batch No. 20494

1 Field No. 33	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 ☐ POINT COUNT RESULTS ON THE BACK	Color Gray Texture Osc Homogenity H \# of Layers H Asbestos ☐ ☒ Color of Layer —— Detected Yes No Comments:	Morphology —— Extinction —— RI ‖ —— RI ⊥ —— DS Color —— Color,Pleo —— Biref —— Sign ——	——/ Chrysotile ——/ Amosite ——/ Other	—— Cellulose —— Fiberglass TR Other Synthetic	100 Mineral Filler —— Organic Binders —— Vermiculite —— Other	—— Organic —— Residue —— Carbonate —— Other —— Asbestos
	Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

2 Field No.	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 ☐ POINT COUNT RESULTS ON THE BACK	Color —— Texture —— Homogenity —— \# of Layers —— Asbestos ☐ ☐ Color of Layer —— Detected Yes No Comments:	Morphology —— Extinction —— RI ‖ —— RI ⊥ —— 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 + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

3 Field No.	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 ☐ POINT COUNT RESULTS ON THE BACK	Color —— Texture —— Homogenity —— \# of Layers —— Asbestos ☐ ☐ Color of Layer —— Detected Yes No Comments:	Morphology —— Extinction —— RI ‖ —— RI ⊥ —— 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 + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

4 Field No.	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 ☐ POINT COUNT RESULTS ON THE BACK	Color —— Texture —— Homogenity —— \# of Layers —— Asbestos ☐ ☐ Color of Layer —— Detected Yes No Comments:	Morphology —— Extinction —— RI ‖ —— RI ⊥ —— 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 + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0			Q.C. ☐		

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NVLAP 101187
ELAP 10870
Microscope OLYP BH-2

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

Analysis Date 06/08/02 Analyst Milena Lourd Batch No. 20494

1 Field No.	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 ____ Texture ____ Homogenity ____ # of Layers ____ Asbestos ☐ ☐ Color of Layer ____ Detected Yes No Comments:	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Biref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass ____ Other	____ 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.	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 ____ Texture ____ Homogenity ____ # of Layers ____ Asbestos ☐ ☐ Color of Layer ____ Detected Yes No Comments:	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Biref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass ____ Other	____ 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.	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 ____ Texture ____ Homogenity ____ # of Layers ____ Asbestos ☐ ☐ Color of Layer ____ Detected Yes No Comments:	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Biref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass ____ Other	____ 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.	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 ____ Texture ____ Homogenity ____ # of Layers ____ Asbestos ☐ ☐ Color of Layer ____ Detected Yes No Comments:	Morphology ____ Extinction ____ RI ∥ ____ RI ⊥ ____ DS Color ____ Color,Pleo ____ Biref ____ Sign ____	____ Chrysotile ____ Amosite ____ Other	____ Cellulose ____ Fiberglass ____ Other	____ 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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