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 MYCBOE / IS 306X Project No. 19125-0246

Analysis Date 4/28/02 Analyst [illegible] Batch No. 20319

1 Field No. 1	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 Grey Texture F 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	15 Cellulose — Fiberglass 5 Other Synthetic Q.C. ☐	80 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION I: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0						

2 Field No. 2	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 Grey Texture F 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	15 Cellulose — Fiberglass TR Other Synthetic Q.C. ☐	85 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION I: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0						

3 Field No. 3	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 Grey Texture F 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	15 Cellulose — Fiberglass TR Other Synthetic Q.C. ☐	85 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
Method: ☐ ELAP + EPA¹ ☐ ELAP ☐ EPA¹ ☐ OTHER ☐ SCANNING OPTION I: ELAP (P.C.) & EPA¹ First 4 preps. Asbestos = 0						

4 Field No. 4	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 Grey Texture F 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	15 Cellulose — Fiberglass TR Other Synthetic Q.C. ☐	85 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
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 10878
Microscope OLYP BH-2

Client / Project: MCBOE / IS 306X — Project No. 19125-0246

Analysis Date: 4/28/02 — Analyst: [illegible] — Batch No. 20319

	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 Field No. 5	Color grey — Texture F Homogenity V # of Layers 1 — Asbestos ☐ ☒ Color of Layer — — Detected Yes No Comments:	Morphology — — Extinction — RI ‖ — — RI ⊥ — DS Color — — Color,Pleo — Biref — — Sign —	— Chrysotile — Amosite / Other	30 Cellulose — Fiberglass 30 Other synthetic & a.c. hair ☐	40 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
2 Field No. 6	Color grey — Texture F Homogenity V # of Layers 1 — Asbestos ☐ ☒ Color of Layer — — Detected Yes No Comments:	Morphology — — Extinction — RI ‖ — — RI ⊥ — DS Color — — Color,Pleo — Biref — — Sign —	— Chrysotile — Amosite / Other	30 Cellulose — Fiberglass 30 Other synthetic & a.c. hair ☐	40 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
3 Field No. 7	Color grey — Texture F Homogenity V # of Layers 1 — Asbestos ☐ ☒ Color of Layer — — Detected Yes No Comments:	Morphology — — Extinction — RI ‖ — — RI ⊥ — DS Color — — Color,Pleo — Biref — — Sign —	— Chrysotile — Amosite / Other	30 Cellulose — Fiberglass 30 Other synthetic & a.c. hair ☐	40 Mineral Filler — Organic Binders — Vermiculite — Other	— Organic — Residue — Carbonate — Other — Asbestos
4 Field No. 8	Color grey — Texture F Homogenity V # of Layers 1 — Asbestos ☐ ☒ Color of Layer — — Detected Yes No Comments:	Morphology — — Extinction — RI ‖ — — RI ⊥ — DS Color — — Color,Pleo — Biref — — Sign —	— Chrysotile — Amosite / Other	30 Cellulose — Fiberglass 30 Other synthetic & a.c. hair ☐	40 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

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NVLAP 101187
ELAP 10879
Microscope OLYP BH-2

Client / Project MYCROFT / IS 306X Project No. 19125-0246

Analysis Date 4/28/02 Analyst [illegible] Batch No. 20319

	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 Field No. 9	Color Grey Texture T	Morphology ____ Extinction ____	____ Chrysotile	15 Cellulose	80 Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity V	RI ǁ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers 1 Asbestos ☐ ☐	DS Color ____ Color,Pleo ____	____ Other	5 Other Cellulose	____ 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. 10	Color Grey Texture T	Morphology ____ Extinction ____	____ Chrysotile	15 Cellulose	85 Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity V	RI ǁ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers 1 Asbestos ☐ ☐	DS Color ____ Color,Pleo ____	____ Other	TR Other Cellulose	____ 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.	Color [illegible] Texture [illegible]	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity [illegible]	RI ǁ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers [illegible] 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.	Color [illegible] Texture [illegible]	Morphology ____ Extinction ____	____ Chrysotile	____ Cellulose	____ Mineral Filler	____ Organic
Gravimetric (NOB) Required ☐	Homogenity [illegible]	RI ǁ ____ RI ⊥ ____	____ Amosite	____ Fiberglass	____ Organic Binders	____ Residue
Recommended ☐	# of Layers [illegible] 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				

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