

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

IN LAP 01187

SLAP 10029

Microscope OLYMP CX-2

Client / Project SAFETY ENV. / NYC D.O.T Ferry Boat Governor's Landing Project No. _____

Analysis Date 10/24/01 Analyst E. A. CARRASCO Batch No. 3156

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 <u>B1</u>	Color <u>off-white</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers _____ Adhesion ☒ ☐ Color of Layer _____ Detected Yes No Comments: _____ Method: ☒ PLM ☐ SEM ☐ TEM ☐ OM ☐	Morphology <u>sf</u> Extinction <u>H</u> RI <u>1.680</u> RI <u>1.701</u> OS Color <u>BLA</u> Color Phase <u>P</u> Biref <u>L</u> Sign <u>+</u>	Chrysotile _____ Amosite <u>20</u> Other _____	Cellulose <u>3</u> Fiberglass _____ Other _____	Mineral Filler <u>75</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
2 <u>B2</u>	Color <u>off-white</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers _____ Adhesion ☒ ☐ Color of Layer _____ Detected Yes No Comments: _____ Method: ☒ PLM ☐ SEM ☐ TEM ☐ OM ☐	Morphology <u>sf</u> Extinction <u>H</u> RI <u>1.680</u> RI <u>1.701</u> OS Color <u>BLA</u> Color Phase <u>P</u> Biref <u>L</u> Sign <u>+</u>	Chrysotile _____ Amosite <u>18</u> Other _____	Cellulose <u>2</u> Fiberglass _____ Other _____	Mineral Filler <u>80</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
3 <u>B3</u>	Color <u>off-white</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers _____ Adhesion ☒ ☐ Color of Layer _____ Detected Yes No Comments: _____ Method: ☒ PLM ☐ SEM ☐ TEM ☐ OM ☐	Morphology <u>sf</u> Extinction <u>H</u> RI <u>1.680</u> RI <u>1.701</u> OS Color <u>BLA</u> Color Phase <u>P</u> Biref <u>L</u> Sign <u>+</u>	Chrysotile _____ Amosite <u>22</u> Other _____	Cellulose <u>3</u> Fiberglass _____ Other _____	Mineral Filler <u>75</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
4 <u>B4</u>	Color <u>tan</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers _____ Adhesion ☒ ☐ Color of Layer _____ Detected Yes No Comments: _____ Method: ☒ PLM ☐ SEM ☐ TEM ☐ OM ☐	Morphology <u>sf</u> Extinction <u>H</u> RI <u>1.680</u> RI <u>1.701</u> OS Color <u>BLA</u> Color Phase <u>P</u> Biref <u>L</u> Sign <u>+</u>	Chrysotile _____ Amosite <u>21</u> Other _____	Cellulose <u>2</u> Fiberglass _____ Other _____	Mineral Filler <u>77</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____

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104 East 25th Street, 10th Floor - New York, NY 10010 - Phone (212) 353 - 8288, FAX (212) 353 - 3599 or 8306

NYLAP 10/1/01

ELAP 10/2/01

Microscope OL1P OM-2

Client / Project Safety Env. / NYC DOT, Ferry Boat Governor Lehman Project No. _____Analysis Date 10 / 24 / 01 Analyst E. A. CARRANS Batch No. 3156

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (MOB) Results %
1 <u>85</u>	Color <u>Brown</u> Texture <u>F</u> Homogeneity <u>Y</u> # of Layers _____ Asbestos ☒ Color of Layer _____ Detected Yes No Comments: _____ Method: ☒ PLM - 10X ☐ PLM - 20X ☐ PLM - 40X ☐ PLM - 100X ☐ PLM - 200X ☐ PLM - 400X ☐ PLM - 1000X ☐ PLM - 2000X ☐ PLM - 4000X ☐ PLM - 8000X ☐ PLM - 16000X ☐ PLM - 32000X ☐ PLM - 64000X ☐ PLM - 128000X ☐ PLM - 256000X ☐ PLM - 512000X ☐ PLM - 1024000X ☐ PLM - 2048000X ☐ PLM - 4096000X ☐ PLM - 8192000X ☐ PLM - 16384000X ☐ PLM - 32768000X ☐ PLM - 65536000X ☐ PLM - 131072000X ☐ PLM - 262144000X ☐ PLM - 524288000X ☐ PLM - 1048576000X ☐ PLM - 2097152000X ☐ PLM - 4194304000X ☐ PLM - 8388608000X ☐ PLM - 16777216000X ☐ PLM - 33554432000X ☐ PLM - 67108864000X ☐ PLM - 134217728000X ☐ PLM - 268435456000X ☐ PLM - 536870912000X ☐ PLM - 1073741824000X ☐ PLM - 2147483648000X ☐ PLM - 4294967296000X ☐ PLM - 8589934592000X ☐ PLM - 17179869184000X ☐ PLM - 34359738368000X ☐ PLM - 68719476736000X ☐ PLM - 137438953472000X ☐ PLM - 274877906944000X ☐ PLM - 549755813888000X ☐ PLM - 1099511627776000X ☐ PLM - 2199023255552000X ☐ PLM - 4398046511104000X ☐ PLM - 8796093022208000X ☐ PLM - 17592186044416000X ☐ PLM - 35184372088832000X ☐ PLM - 70368744177664000X ☐ PLM - 140737488355328000X ☐ PLM - 281474976710656000X ☐ PLM - 562949953421312000X ☐ PLM - 1125899906842624000X ☐ PLM - 2251799813685248000X ☐ PLM - 4503599627370496000X ☐ PLM - 9007199254740992000X ☐ PLM - 18014398509481984000X ☐ PLM - 36028797018963968000X ☐ PLM - 72057594037927936000X ☐ PLM - 144115188075855872000X ☐ PLM - 288230376151711744000X ☐ PLM - 576460752303423488000X ☐ PLM - 1152921504606846976000X ☐ PLM - 2305843009213693952000X ☐ PLM - 4611686018427387904000X ☐ PLM - 9223372036854775808000X ☐ PLM - 18446744073709551616000X ☐ PLM - 36893488147419103232000X ☐ PLM - 73786976294838206464000X ☐ PLM - 147573952589676412928000X ☐ PLM - 295147905179352825856000X ☐ PLM - 590295810358705651712000X ☐ PLM - 1180591620717411303424000X ☐ PLM - 2361183241434822606848000X ☐ PLM - 4722366482869645213696000X ☐ PLM - 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