

## 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 OLYMP BH-2

Client / Project

MCH02 / PS 89 m

Project No.

Analysis Date

11/02/01

Analyst

Wb

Batch No.

19695

|   |                                                     |                                                                                                                                                                                                                                          |                                                                       |                        |                      |                        |                       |                          |                             |
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| 1 | Field No. 01                                        | Stereoscopic Exam                                                                                                                                                                                                                        |                                                                       | PLM Optical Properties |                      | Asbestos Results PLM % | Other Fibrous %       | Non Fibrous %            | Gravimetric (NOB) Results % |
|   | Gravimetric (NOB) Required <input type="checkbox"/> | Color <u>brown</u>                                                                                                                                                                                                                       | Texture <u>F</u>                                                      | Morphology <u>W</u>    | Extinction <u>1</u>  | <u>2.3</u> Chrysotile  | <u>17.7</u> Cellulose | <u>75</u> Mineral Filler | <u>Organic</u>              |
|   | Recommended <input type="checkbox"/>                | Homogeneity <u>X</u>                                                                                                                                                                                                                     | Asbestos <input type="checkbox"/> <input checked="" type="checkbox"/> | RI I <u>W</u>          | RI II <u>W</u>       | <u>5</u> Amosite       | <u>5</u> Fiberglass   | <u>Organic Binders</u>   | <u>Residue</u>              |
|   | Gravimetric PREP <input type="checkbox"/>           | # of Layers <u>2</u>                                                                                                                                                                                                                     | Detected Yes No                                                       | DS Color <u>W</u>      | Color, Pleo <u>W</u> | <u>Other</u>           | <u>Other</u>          | <u>Vermiculite</u>       | <u>Carbonate</u>            |
|   | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer <u>  </u>                                                                                                                                                                                                                 | Detected Yes No                                                       | Biref <u>C</u>         | Sign <u>+</u>        |                        |                       | <u>Other</u>             | <u>Other</u>                |
|   | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                                |                                                                       |                        |                      |                        | Q.C.                  |                          | <u>Asbestos</u>             |
|   | POINT COUNT RESULTS ON THE BACK                     | Method: <input checked="" type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                                       |                        |                      |                        |                       |                          |                             |

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| 2 | Field No. 02                                        | Stereoscopic Exam                                                                                                                                                                                                                        |                                                                       | PLM Optical Properties |                      | Asbestos Results PLM % | Other Fibrous %           | Non Fibrous %            | Gravimetric (NOB) Results % |
|   | Gravimetric (NOB) Required <input type="checkbox"/> | Color <u>light brown</u>                                                                                                                                                                                                                 | Texture <u>F</u>                                                      | Morphology <u>W</u>    | Extinction <u>1</u>  | <u>2.3</u> Chrysotile  | <u>17.7</u> Cellulose     | <u>75</u> Mineral Filler | <u>Organic</u>              |
|   | Recommended <input type="checkbox"/>                | Homogeneity <u>X</u>                                                                                                                                                                                                                     | Asbestos <input checked="" type="checkbox"/> <input type="checkbox"/> | RI I <u>W</u>          | RI II <u>W</u>       | <u>5</u> Amosite       | <u>5</u> Fiberglass       | <u>Organic Binders</u>   | <u>Residue</u>              |
|   | Gravimetric PREP <input type="checkbox"/>           | # of Layers <u>2</u>                                                                                                                                                                                                                     | Detected Yes No                                                       | DS Color <u>W</u>      | Color, Pleo <u>W</u> | <u>Other</u>           | <u>Other</u>              | <u>Vermiculite</u>       | <u>Carbonate</u>            |
|   | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer <u>  </u>                                                                                                                                                                                                                 | Detected Yes No                                                       | Biref <u>C</u>         | Sign <u>+</u>        |                        |                           | <u>Other</u>             | <u>Other</u>                |
|   | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                                |                                                                       |                        |                      |                        | Q.C.                      |                          | <u>Asbestos</u>             |
|   | POINT COUNT RESULTS ON THE BACK                     | Method: <input checked="" type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                                       |                        |                      |                        | <u>Chrysotile 2% / M.</u> |                          |                             |

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| 3 | Field No. 03                                        | Stereoscopic Exam                                                                                                                                                                                                             |                                                                       | PLM Optical Properties |                      | Asbestos Results PLM % | Other Fibrous %          | Non Fibrous %            | Gravimetric (NOB) Results % |
|   | Gravimetric (NOB) Required <input type="checkbox"/> | Color <u>brown</u>                                                                                                                                                                                                            | Texture <u>F</u>                                                      | Morphology <u>W</u>    | Extinction <u>1</u>  | <u>2.3</u> Chrysotile  | <u>15</u> Cellulose      | <u>20</u> Mineral Filler | <u>Organic</u>              |
|   | Recommended <input checked="" type="checkbox"/>     | Homogeneity <u>X</u>                                                                                                                                                                                                          | Asbestos <input checked="" type="checkbox"/> <input type="checkbox"/> | RI I <u>W</u>          | RI II <u>W</u>       | <u>5</u> Amosite       | <u>5</u> Fiberglass      | <u>Organic Binders</u>   | <u>Residue</u>              |
|   | Gravimetric PREP <input type="checkbox"/>           | # of Layers <u>2</u>                                                                                                                                                                                                          | Detected Yes No                                                       | DS Color <u>W</u>      | Color, Pleo <u>W</u> | <u>Other</u>           | <u>Other</u>             | <u>Vermiculite</u>       | <u>Carbonate</u>            |
|   | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer <u>  </u>                                                                                                                                                                                                      | Detected Yes No                                                       | Biref <u>C</u>         | Sign <u>+</u>        |                        |                          | <u>Other</u>             | <u>Other</u>                |
|   | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                     |                                                                       |                        |                      |                        | Q.C.                     |                          | <u>Asbestos</u>             |
|   | POINT COUNT RESULTS ON THE BACK                     | Method: <input type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                                       |                        |                      |                        | <input type="checkbox"/> |                          |                             |

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| 4 | Field No. 04                                        | Stereoscopic Exam                                                                                                                                                                                                             |                                                                       | PLM Optical Properties |                      | Asbestos Results PLM % | Other Fibrous %          | Non Fibrous %            | Gravimetric (NOB) Results % |
|   | Gravimetric (NOB) Required <input type="checkbox"/> | Color <u>brown</u>                                                                                                                                                                                                            | Texture <u>F</u>                                                      | Morphology <u>W</u>    | Extinction <u>1</u>  | <u>2.3</u> Chrysotile  | <u>5</u> Cellulose       | <u>90</u> Mineral Filler | <u>Organic</u>              |
|   | Recommended <input type="checkbox"/>                | Homogeneity <u>X</u>                                                                                                                                                                                                          | Asbestos <input type="checkbox"/> <input checked="" type="checkbox"/> | RI I <u>W</u>          | RI II <u>W</u>       | <u>5</u> Amosite       | <u>5</u> Fiberglass      | <u>Organic Binders</u>   | <u>Residue</u>              |
|   | Gravimetric PREP <input type="checkbox"/>           | # of Layers <u>2</u>                                                                                                                                                                                                          | Detected Yes No                                                       | DS Color <u>W</u>      | Color, Pleo <u>W</u> | <u>Other</u>           | <u>Other</u>             | <u>Vermiculite</u>       | <u>Carbonate</u>            |
|   | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer <u>  </u>                                                                                                                                                                                                      | Detected Yes No                                                       | Biref <u>C</u>         | Sign <u>+</u>        |                        |                          | <u>Other</u>             | <u>Other</u>                |
|   | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                     |                                                                       |                        |                      |                        | Q.C.                     |                          | <u>Asbestos</u>             |
|   | POINT COUNT RESULTS ON THE BACK                     | Method: <input type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                                       |                        |                      |                        | <input type="checkbox"/> |                          |                             |

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Client / Project

NYC BOE / PS 89 m

Project No.

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| 1                               | Field No. 05                                        | Stereoscopic Exam                                                                                                                                                                                                             |                                                                                  | PLM Optical Properties |                       | Asbestos Results PLM % | Other Fibrous %               | Non Fibrous %            | Gravimetric (NOB) Results % |
|                                 | Gravimetric (NOB) Required <input type="checkbox"/> | Color <u>brown</u>                                                                                                                                                                                                            | Texture <u>7</u>                                                                 | Morphology <u>wt</u>   | Extinction <u>11</u>  | <u>24</u> Chrysotile   | <u>15</u> Cellulose           | <u>80</u> Mineral Filler | Organic                     |
|                                 | Recommended <input type="checkbox"/>                | Homogeneity <u>7</u>                                                                                                                                                                                                          |                                                                                  | RI I <u>wt</u>         | RI II <u>wt</u>       | Amosite                | <u>5</u> Fiberglass           | Organic Binders          | Residue                     |
|                                 | Gravimetric PREP <input type="checkbox"/>           | # of Layers                                                                                                                                                                                                                   | Asbestos <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | DS Color <u>wt</u>     | Color, Pleo <u>wt</u> | Other                  | Other                         | Vermiculite              | Carbonate                   |
|                                 | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer                                                                                                                                                                                                                | Detected Yes No                                                                  | Biref <u>wt</u>        | Sign <u>p</u>         |                        |                               | Other                    | Other                       |
|                                 | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                     |                                                                                  |                        |                       |                        | D.C. <input type="checkbox"/> |                          | Asbestos                    |
| POINT COUNT RESULTS ON THE BACK |                                                     | Method: <input type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                                                  |                        |                       |                        |                               |                          |                             |

|                                 |                                                     |                                                                                                                                                                                                                               |                                                                       |                        |             |                        |                               |                          |                             |
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| 2                               | Field No. 06                                        | Stereoscopic Exam                                                                                                                                                                                                             |                                                                       | PLM Optical Properties |             | Asbestos Results PLM % | Other Fibrous %               | Non Fibrous %            | Gravimetric (NOB) Results % |
|                                 | Gravimetric (NOB) Required <input type="checkbox"/> | Color <u>brown</u>                                                                                                                                                                                                            | Texture <u>7</u>                                                      | Morphology             | Extinction  | Chrysotile             | <u>15</u> Cellulose           | <u>85</u> Mineral Filler | Organic                     |
|                                 | Recommended <input type="checkbox"/>                | Homogeneity <u>7</u>                                                                                                                                                                                                          |                                                                       | RI I                   | RI II       | Amosite                | <u>74</u> Fiberglass          | Organic Binders          | Residue                     |
|                                 | Gravimetric PREP <input type="checkbox"/>           | # of Layers                                                                                                                                                                                                                   | Asbestos <input type="checkbox"/> <input checked="" type="checkbox"/> | DS Color               | Color, Pleo | Other                  | Other                         | Vermiculite              | Carbonate                   |
|                                 | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer                                                                                                                                                                                                                | Detected Yes No                                                       | Biref                  | Sign        |                        |                               | Other                    | Other                       |
|                                 | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                     |                                                                       |                        |             |                        | D.C. <input type="checkbox"/> |                          | Asbestos                    |
| POINT COUNT RESULTS ON THE BACK |                                                     | Method: <input type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                                       |                        |             |                        |                               |                          |                             |

|                                 |                                                     |                                                                                                                                                                                                                               |                                                            |                        |             |                        |                               |                 |                             |
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| 3                               | Field No.                                           | Stereoscopic Exam                                                                                                                                                                                                             |                                                            | PLM Optical Properties |             | Asbestos Results PLM % | Other Fibrous %               | Non Fibrous %   | Gravimetric (NOB) Results % |
|                                 | Gravimetric (NOB) Required <input type="checkbox"/> | Color                                                                                                                                                                                                                         | Texture                                                    | Morphology             | Extinction  | Chrysotile             | Cellulose                     | Mineral Filler  | Organic                     |
|                                 | Recommended <input type="checkbox"/>                | Homogeneity                                                                                                                                                                                                                   |                                                            | RI I                   | RI II       | Amosite                | Fiberglass                    | Organic Binders | Residue                     |
|                                 | Gravimetric PREP <input type="checkbox"/>           | # of Layers                                                                                                                                                                                                                   | Asbestos <input type="checkbox"/> <input type="checkbox"/> | DS Color               | Color, Pleo | Other                  | Other                         | Vermiculite     | Carbonate                   |
|                                 | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer                                                                                                                                                                                                                | Detected Yes No                                            | Biref                  | Sign        |                        |                               | Other           | Other                       |
|                                 | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                     |                                                            |                        |             |                        | D.C. <input type="checkbox"/> |                 | Asbestos                    |
| POINT COUNT RESULTS ON THE BACK |                                                     | Method: <input type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                            |                        |             |                        |                               |                 |                             |

|                                 |                                                     |                                                                                                                                                                                                                               |                                                            |                        |             |                        |                               |                 |                             |
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| 4                               | Field No.                                           | Stereoscopic Exam                                                                                                                                                                                                             |                                                            | PLM Optical Properties |             | Asbestos Results PLM % | Other Fibrous %               | Non Fibrous %   | Gravimetric (NOB) Results % |
|                                 | Gravimetric (NOB) Required <input type="checkbox"/> | Color                                                                                                                                                                                                                         | Texture                                                    | Morphology             | Extinction  | Chrysotile             | Cellulose                     | Mineral Filler  | Organic                     |
|                                 | Recommended <input type="checkbox"/>                | Homogeneity                                                                                                                                                                                                                   |                                                            | RI I                   | RI II       | Amosite                | Fiberglass                    | Organic Binders | Residue                     |
|                                 | Gravimetric PREP <input type="checkbox"/>           | # of Layers                                                                                                                                                                                                                   | Asbestos <input type="checkbox"/> <input type="checkbox"/> | DS Color               | Color, Pleo | Other                  | Other                         | Vermiculite     | Carbonate                   |
|                                 | Gravimetric (NOB) PLM <input type="checkbox"/>      | Color of Layer                                                                                                                                                                                                                | Detected Yes No                                            | Biref                  | Sign        |                        |                               | Other           | Other                       |
|                                 | Gravimetric (NOB) TEM <input type="checkbox"/>      | Comments:                                                                                                                                                                                                                     |                                                            |                        |             |                        | D.C. <input type="checkbox"/> |                 | Asbestos                    |
| POINT COUNT RESULTS ON THE BACK |                                                     | Method: <input type="checkbox"/> ELAP + EPA <input type="checkbox"/> ELAP <input type="checkbox"/> EPA <input type="checkbox"/> OTHER <input type="checkbox"/> SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0 |                                                            |                        |             |                        |                               |                 |                             |