

ASBESTOS BULK SAMPLE ANALYSIS SURVEY

Room Temperature _____ RI Check Microscope Alignment Blank Slide Check

Laboratory Report No. _____ Laboratory Sample ID No. _____

Sample Field ID No. _____ Date Received: _____

DOEHRS Sample No. _____

Sample Treatment: _____ Oven Drying _____ Solvent _____ None _____ Other

Physical Description: Homogeneous: _____ Yes _____ No

Fibrous: _____ Yes _____ No

Sample Description: _____

Asbestos Fibrous Components Identified:

- | | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| A) Chrysotile: _____% | B) Amosite: _____% | C) Crocidolite: _____% | D) _____% |
| ____ Wavy fibers and bundles | ____ Straight fibers | ____ Straight fibers | ____ Bundled Straight Fibers |
| ____ Anisotropic | ____ Anisotropic | ____ Anisotropic | ____ Anisotropic |
| ____ (+) Sign elongation | ____ (+) Sign elongation | ____ (-) Sign elongation | ____ (+) Sign Elongation |
| ____ Parallel extinction | ____ Parallel extinction | ____ Parallel extinction | ____ Parallel extinction |
| ____ Nonpleochroic | ____ Nonpleochroic | ____ Pleochroic-blue-grey | ____ Oblique extinction |
| ____ Low birefringence | ____ Mod birefringence | ____ Mod birefringence | ____ Nonpleochroic |
| ____ n = 1.55, CS D.S. colors | ____ n = 1.68, CS D.S. colors | ____ n = 1.68, CS D.S. colors | ____ Mod birefringence |
| = 600-700 nm, blue | = 600-660 nm, blue | = 410-440 nm, yellow | ____ n=1.605 |
| = 500-600 nm, magenta | = 430-460 nm, yellow | = 440-460 nm, gold, yellow | ____ Colors |

Non-Asbestos Fibrous Components Identified:

- | | | |
|-------------------------------|-------------------------|-------------------------|
| D) Cellulose: _____% | E) Mineral Wool: _____% | F) Glass Fibers: _____% |
| ____ Flat, twisted fibers | ____ Irregular shapes | ____ Straight fibers |
| ____ Anisotropic | ____ Isotropic | ____ Isotropic |
| ____ Irregular extinction | | |
| ____ Pits, cross marks | | |
| ____ n = 1.55, CS D.S. Colors | | |
| = 600-700 nm, blue | | |
| = 410-440 nm, yellow | | |
-
- | | | |
|---------------------------------|------------------|----------------------------|
| G) Synthetic fibers: _____% | F) Other: _____% | I) Non-fibrous Components: |
| ____ Uniform fiber shape | _____ | Description: Approx. % |
| ____ Anisotropic | _____ % | _____ % |
| ____ Parallel extinction | _____ % | _____ % |
| ____ n = 1.55, CS D. S. colors | _____ % | _____ % |
| = Various (depends on identity) | | |

Analytical Notes: _____

Microscope: _____

ANALYST: _____ DATE COMPLETED: _____

Sample Reanalyzed? Yes No Name & Date: _____

REVIEWER: _____ DATE REVIEWED: _____