

Asbestos Bulk Sample Analysis Protocols and Disclosure

State of Maine
Department of Environmental Protection Lead &
Asbestos Hazard Prevention Program 17 State
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Bulk Sample Analysis

Bulk samples collected must be analyzed by a Department-licensed Asbestos Analytical Laboratory. Bulk samples shall be analyzed until a positive result is obtained or all samples have been analyzed. Reanalysis is not required if the sample result is less than 1%. Wherever there is a suspect asbestos-containing material and a mastic/adhesive affixed to that material, the mastic/adhesive shall be analyzed and reported separately from the suspect asbestos-containing material.

Standard Analytical Methods

- Surfacing Materials, Thermal System Insulation and Cementitious Materials: PLM–EPA 600/R-93/116 visual estimation method (1993).
- Non-friable Organically Bound Materials (NOB): PLM NOB–EPA 600/R-93/116 with gravimetric preparation method. (including but not limited to floor tiles, asphalt shingles, caulking, glazing, mastics, coatings, sealants, adhesives and glues)

Alternative Analytical Methods

- Surfacing Materials and Thermal System Insulation: PLM EPA/600/R-93/116 (200 Point Count); PLM EPA/600/R-93/116 (400 Point Count); or PLM EPA/600/R-93/116 (1000 Point Count). May be used whenever the asbestos analytical laboratory has reported friable bulk samples with an asbestos content of less than 10% using the standard visual estimation.
- Surfacing Materials, Thermal System Insulation and Cementitious Materials: EPA 600/R-93/116 section 2.5.5.2 (TEM % by Mass). May be used whenever the asbestos analytical laboratory has determined it is not feasible or appropriate to have bulk sample(s) analyzed using the standard visual estimation.
- Non-friable Organically Bound Materials (NOB): PLM EPA/600/R-93/116 (200 Point Count); PLM EPA/600/R-93/116 (400 Point Count); or PLM EPA/600/R-93/116 (1000 Point Count). May be used whenever the asbestos analytical laboratory has reported an NOB sample with an asbestos content of less than 10% using the standard visual estimation.
- Non-friable Organically Bound Materials (NOB): TEM EPA NOB EPA/600/R-93/116b section 2.5, and TEM Chatfield method. May be used whenever the asbestos analytical laboratory has determined it is not feasible or appropriate to have bulk sample(s) analyzed using the standard visual estimation.

In lieu of analyzing NOB's bulk samples in accordance with 06-096 CMR 425.6(B)(2)(d), NOB bulk samples may be analyzed using PLM EPA 600/R-93/116 without gravimetric sample preparation. If all three bulk samples analyzed by PLM EPA 600/R-93/116 without gravimetric sample preparation are less than 1% asbestos then the bulk samples must be confirmed by PLM NOB–EPA 600/R-93/116 with gravimetric sample preparation as having less than 1% asbestos in order for the NOB ACM material to be determined not to be asbestos-containing. If one of the NOB samples re-analyzed using gravimetric preparation is equal to or greater than 1% asbestos then the NOB material is considered to be asbestos-containing. 06-096 CMR 425.6(B)(2)(d)(i),(ii) may also apply to NOB samples that are analyzed by PLM EPA 600/R-93/116 without gravimetric sample preparation, as applicable.

(NOB bulk samples are classified as miscellaneous ACM; three bulk samples from each miscellaneous material must be randomly collected from each homogeneous area [06-096 C.M.R 425.6(B)(1)(c)].)

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Important Notice

An analytical laboratory may use TEM, or other Department-approved analytical method, for bulk sample rather than the standard PLM analytical method. The Asbestos Consultant that collected the bulk samples for the building owner must document that the building owner or owner's agent received information regarding the standard analytical protocol set forth in the rule by obtaining the building owner's or owner's agent's signature on a statement acknowledging receipt of the information before the alternative analytical methods are employed.

Asbestos Consultant

I have reviewed the Standard Analytical Protocols with the building owner/agent. I have also advised the building owner or the building owner's agent that whenever the asbestos analytical laboratory has determined it is not feasible or appropriate to have bulk sample(s) of suspect asbestos-containing surfacing materials analyzed using the standard method, the building owner or the building owner's agent may then either elect to treat the suspect bulk material(s) as asbestos-containing with no further analysis required, or may consent to the use of an alternative analytical method to determine whether the suspect bulk sample(s) is asbestos-containing. I also understand that a copy of this completed form must be available upon request at the asbestos project site.

Signature (Asbestos Consultant)

Print Name

Date

Building Owner/Agent

I have reviewed the Asbestos Bulk Sample Analysis Protocols with the above Asbestos Consultant. I further understand that whenever the asbestos analytical laboratory has determined it is not feasible or appropriate to have bulk sample(s) of suspect asbestos-containing surfacing materials analyzed using the standard method, I may then either elect to treat the suspect bulk material(s) as asbestos-containing with no further analysis required, or may consent to the use of an alternative analytical method to determine whether the suspect bulk sample(s) is asbestos-containing.

Signature (Building Owner/Agent)

Print Name

Date

Facility Location(where bulk samples were collected)

BLDG Name

Physical Address

City

Floor and/or Rm.#