

METHOD OF TEST FOR DETERMINATION OF ASH CONTENT

1. SCOPE

1.1 This test method covers the determination of the ash content of asphalt cement and asphalt emulsions.

2. RELEVANT DOCUMENTS

2.1 ASTM D2939 Test Methods for Emulsified Bitumens Used As Protective Coatings

3. PROCEDURE

3.1 Ash Content procedure of ASTM D2939 shall be followed, except as noted below.

4. EXCEPTION

4.1 When determining the ash content of asphalt cement, the reference to *the dry residue from the determination of residue by evaporation* in section 10 are referring to asphalt cement.

4.2 Incinerate the content of the crucible for 2 hours and remove the crucible from the furnace to cool to room temperature. Once the crucible is at room temperature, the sample weight shall be determined and recorded to the nearest 1 mg.

4.3 Return the crucible to the muffle furnace and heat the sample for an additional 30 minutes. After heating, cool the crucible again to room temperature. Once at room temperature, determine and record the sample weight to the nearest 1 mg.

4.4 If a constant weight has not been achieved, repeat step 4.3 until a constant weight is reached.

4.5 Calculate the ash content of an sample as a percent of the asphalt cement or residue by evaporation as applicable.

4.6 Report the ash content to the nearest 0.1%.