
HDOT TM 8 - 00

Standard Test Method for Determining Total Moisture Content of Bituminous Mixtures or Mineral Aggregate Using Microwave Ovens

1. Scope

1.1 This test method covers the determination of the percentage of evaporable moisture in bituminous mixtures or mineral aggregates by drying in the microwave oven.

2. Referenced Documents

- 2.1 AASHTO Standards:
T2 Sampling of Aggregates
T168 Sampling Bituminous Paving Mixtures

3. Safety

3.1 Check the microwave oven for leakage. Microwave ovens which indicate leakage should not be used until the leakage is corrected as the microwave radiation may be injurious.

3.2 Use gloves for handling hot samples.

4. Apparatus

4.1 Microwave oven having variable time and power controls.

4.2 Microwave-safe container not affected by the heat, and of sufficient volume to contain the sample without danger of spilling.

4.3 Balance having a capacity of 1000 g (2.2 pounds) or more and accurate to 0.1

g.

4.4 A metal spoon or spatula of convenient size. (Optional)

5. Procedure

5.1 Determine Power Setting

