STANDARD TEST METHOD

MOISTURE CONTENT FOR SOLID MATERIALS

SCOPE:

This method is to determine the percentage of moisture in solid raw materials.

APPARATUS:

1. Oven
2. Glass Petri dishes with lids lined with aluminum foil.
3. Balance accurate to 0.0001 g.

PROCEDURE:

1. Weigh a clean dry lined petri dish and lid
2. Weigh out the specified amount of sample ± 0.5g into a tared dish. If no weight is specified, use 5 grams of material.
3. Replace lid and reweigh.
4. Place in oven at 105 - 110° C and leave for 1 hour.
5. Remove, cool in desiccator, and re-weigh.

NOTE: When testing asbestos, cover contents with lid immediately upon removal from oven. This is due to rapid absorption of water by asbestos.

CALCULATION:

$$\% \text{ Moisture} = \frac{\text{Loss in weight}}{\text{Weight of sample}} \times 100$$