

PROCEDURE FOR CALIBRATING, STANDARDIZING OR CHECKING EQUIPMENT

Revised 08/03, 5/11, 8/18

PROCEDURE #76

Equipment Checked:

FINE AGGREGATE ANGULARITY

T 304, SD 217

Purpose:

To provide instructions for checking dimensional tolerances.

Inspection Equipment Required:

1. Glass plate 2.4 in x 2.4 in (60 mm x 60 mm.) (approx.)
2. 500 ml water.
3. Thermometer 77°F.
4. Scale readable to 0.1 g.
5. 6 inch calipers.

Tolerance:

Tolerances can be found in the test methods listed above.

Procedure:

1. Determine and record the weight of the glass plate and measure.
2. Fill the measure with deionized water that is between 18 - 24°C.
3. Place the glass plate on the measure making sure that no air bubbles remain.
4. Dry the outer surfaces of the measure. Determine and record the combined weight of measure, glass plate, and water.
5. Determine and record the volume of the measure to the nearest 0.01 cm³ using the formula on the check record.
6. Measure and record inside diameter of measure.
7. Measure and record the outside diameter of the measure.
8. Measure and record the funnel orifice.
9. Measure and record the distance from the orifice to the top of the measure.