

CONSTRUCTION DIVISION, MATERIALS & PAVEMENTS SECTION (CST-M&P)
AGGREGATE IN-HOUSE CALIBRATION PROCEDURE # 17
CONICAL MOLD AND TAMPER

EQUIPMENT CHECKED: CONICAL MOLD AND TAMPER (Tex-403-A / ASTM C 128)

1. SCOPE

- 1.1 This procedure provides instructions for verifying the critical dimensions of conical molds and tampers for determination of SSD Specific Gravity of Fine Aggregate, Tex-403-A.
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2. APPARATUS

Inspection Equipment Required:

1. Ruler readable to 0.1 mm
2. Digital caliper readable to 1 mm (0.01 in)
3. Balance, 500 g, readable to 0.1g

Tolerance:

The equipment shall meet the tolerances specified in test procedure Tex-403-A.

3. PROCEDURE

3.1 *Conical Mold Dimensions:*

1. Using a ruler, measure and record the inside top diameter, inside bottom diameter and height.
2. Using a caliper, measure and record the wall thickness.
3. Visually inspect the mold for roundness and undamaged surface.

3.2 *Tamper Dimensions:*

1. Weigh the tamper and record the mass.
2. Inspect the surface of the tamper to ensure that it is circular and flat.