

IN-HOUSE PROCEDURE

PROCEDURE FOR VERIFYING CONICAL MOLD AND TAMPER

Item: Mold and Tamper used in AASHTO T-84

Purpose:

This method provides instructions for checking the critical dimensions of sand cone and tamper used in the above test method.

Inspection Equipment Required:

1. Calipers readable to 0.01 mm.
2. Balance, 500 g capacity, readable to 0.1 g.
3. Ruler readable to 1mm.

Tolerance:

Equipment shall meet the dimensional tolerances specified in the applicable test method.

Procedure:

CONE

1. Measure the inside diameter at the top of the cone to the nearest 1 mm by taking two readings 90-degrees apart using the ruler. Record the results.
2. Invert the cone and repeat Step 1.
3. Place the cone on a flat glass surface. Measure and record the depth of the cone using the ruler.
4. Using the calipers, measure the thickness of the cone to the nearest 0.1 mm by taking 2 reading 90-degrees apart at the top of the cone and 2 readings 90-degrees apart at the bottom of the cone. Record all results.

TAMPER

1. Measure and record the diameter of the tamping face to the nearest 1 mm by taking two readings 90-degrees apart using the ruler.
2. Determine and record the mass of the tamper to the nearest 0.1 g.