

# **Check Procedure for Conical Molds and Tampers**

**for**  
**AASHTO Test Method T 84**  
**and**  
**ASTM Test Method C128**

## **Procedure Designation: IHP-5**

### **Equipment required to perform the check:**

1. 6-inch calipers readable to 0.01 mm
2. Balance with a capacity of at least 500 g and readable to the nearest 0.1 g

### **Procedure:**

#### **Cone**

1. Place the cone on a flat glass surface.
2. Zero the calipers.
3. Using the calipers' depth gauge, measure the height of the cone by taking two readings 180° apart, and record the individual measurements to confirm a height within  $75 \pm 3$  mm.
4. Measure the inside diameter at the top of the cone by taking two readings 90° apart, and record the individual measurements to confirm a diameter within  $40 \pm 3$  mm.
5. Invert the cone.
6. Measure the inside diameter at the bottom of the cone by taking two readings 90° apart, and record the individual measurements to confirm a diameter within  $90 \pm 3$  mm.
7. Measure the thickness of the cone by taking two readings 90° apart at the top of the cone and two readings 90° apart at the bottom of the cone, and record the individual measurements to confirm a minimum thickness of 0.8 mm.

#### **Tamper**

1. Measure the diameter of the tamping face by taking two readings 90° apart, and record the individual measurements to confirm a diameter within  $25 \pm 3$  mm.
2. Zero the balance.
3. Determine the mass of the tamper, and record the result to determine a mass within  $340 \pm 15$  g.