

Check Procedure for Conical Molds and Tamers
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 ± 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 ± 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 ± 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 ± 3 mm.
2. Zero the balance.
3. Determine the mass of the tamper, and record the result to determine a mass within 340 ± 15 g.