

IN-HOUSE PROCEDURE # _____

PROCEDURE FOR VERIFYING CONICAL MOLD and TAMPER

Item:

Conical Mold, Tamper

Purpose:

This method provides instructions for verifying the critical dimensions of a conical mold and tamper.

Inspection Equipment Required:

1. Caliper readable to at least 0.1 mm
2. Ruler readable to at least 1 mm
3. Straightedge
4. Scale readable to at least 0.1 g

Tolerance:

Equipment shall meet the dimensional tolerances specified in AASHTO T 84.

Procedure:

CONICAL MOLD

1. Measure the inside diameter at the top of the cone to the nearest 1 mm by taking two readings 90° apart using the ruler.
2. Invert the cone and measure the inside diameter at the bottom of the cone to the nearest 1 mm by taking two readings 90 ° apart using the ruler.
3. Place the cone on a flat, smooth surface. Place a straight edge across the top of the cone. Using the ruler, measure the height of the cone from the top of the smooth surface to the bottom of the straight edge to the nearest 1 mm.
4. Using the calipers, measure the thickness of the cone to the nearest 0.1 mm by taking two readings 90 ° apart at the top of the cone and two readings 90 ° apart at the bottom of the cone.

TAMPER

1. Measure the diameter of the tamping face to the nearest 1 mm by taking two readings 90° apart using a ruler or caliper.
2. Determine the mass of the tamper to the nearest 0.1 g.