

**LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
VERIFICATION PROCEDURE**

**CONICAL MOLD, TAMPER
(AASHTO T84)**

EQUIPMENT

1. Calipers or ruler readable to 1 mm.
2. Balance, 550 gram capacity, readable to 0.1 gram.
3. Straight-edge or ruler.
4. Flat glass surface.

PROCEDURE

A. CONE

1. Measure the inside diameter at the top of the cone to the nearest 1 mm by taking two readings 90° apart using the calipers and record the results.
2. Invert the cone and repeat step 1 using a ruler.
3. Place the cone on a flat glass surface. Measure and record the depth of the cone by using the calipers and a straight edge or ruler and record the results.
4. Measure the thickness of the cone to the nearest 1 mm by taking 2 readings 90 ° apart at the top of the cone and 2 readings 90° apart at the bottom of the cone and record the results.

B. TAMPER

1. Measure and record the diameter of the tamping face to the nearest 1 mm by taking two readings 90 ° apart using the calipers and record the results.
2. Determine and record the mass of the tamper to the nearest 0.1 gram.

**STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

**VERIFICATION OF
CONICAL MOLD AND TAMPER**
Verification procedure used: DOTD A13

Verification frequency: 24 months Previous verification date: _____

Date of verification: _____ Next verification due: _____

Identification no.: _____ Mfg./distributor: _____

Verified by: _____ Verification equipment used: _____

Cone Dimensions			
Top inside diameter	(40 ± 3 mm)		
Bottom inside diameter	(90 ± 3 mm)		
Height of cone	(75 ± 3 mm)		
Top wall thickness	(min. 0.8 mm)		
Bottom wall thickness	(min. 0.8 mm)		

Tamper Dimensions			
Weight		(340 ± 15 grams)	
Diameter of face		(25 ± 3 mm)	
Face of rammer flat?		Yes	No

Action recommended: repair _____ replace _____ none _____

Comments: _____