

SOIL TEST MOLD VERIFICATION PROCEDURE #7

Revised 4/24/2002

Equipment Checked: MOLDS (AASHTO T 99 & AASHTO T 180)
DISTRICTS AND CENTRAL LAB

MOLDS (AASHTO T 134 ASTM D558; AASHTO T 193)
CENTRAL LAB ONLY

Purpose:

This procedure provides instructions for checking the critical dimensions of 4" and 6" molds used in soil testing.

Inspection Equipment Required:

1. Calipers, capable of measuring the height and inside diameter of the molds and readable to 0.001 in.

Tolerance:

The height and diameter of the molds checked shall meet the dimensional tolerances specified in the applicable test method listed above.

Procedure:

1. Measure and record the inside diameter of the mold to the nearest 0.001 in. Rotate the mold 90 degrees (1/4 turn) and measure and record the inside diameter again.
2. Turn the mold over and repeat Step 1.
3. Measure and record the height of the mold to the nearest 0.001 in. Rotate the mold 90 degrees (1/4 turn) and measure and record the height again.

EQUIPMENT CALIBRATION RECORD

Calibration Procedure No. 7 Molds – 4" & 6" Proctor (AASHTO T 99 & AASHTO T 180)

Date:	Calibrated by:
Previous Calibration Date:	Next Due:
Frequency: 12 months maximum	
Action Recommended: Repair _____ Replace _____ None _____ Other _____	
Calibration Equipment	Serial Number
Calipers readable to 0.001"	

Tolerances

	Diameter		Height
4"	3.984 - 4.016	4.579 - 4.589	
6"	5.974 - 6.026	4.579 - 4.589	

Mold I.D.		Reading 1	Reading 2	Reading 3	Reading 4	Average
	Diameter					
	Height					
	Diameter					
	Height					
	Diameter					
	Height					
	Diameter					
	Height					
	Diameter					
	Height					

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