

**PROCEDURE FOR THE VERIFICATION OF THE VICAT
APPARATUS AND RING
ASTM C187**

A. PURPOSE

The purpose of this procedure is to verify the weight and critical dimensions of the Vicat Apparatus and Ring as listed in ASTM C 187. This verification is made annually (see note). ASTM requires a calibration every 30 months.

B. APPARATUS REQUIRED

1. Calibrated scales
2. Calipers
3. Certified steel ruler (metric)

C. PROCEDURE

1. Obtain and record the weight of the moveable rod.
2. Measure and record the diameter of the plunger end.
3. Measure and record the diameter of the needle end.
4. Measure and record the inside diameter of the ring top.
5. Measure and record the inside diameter of the ring bottom.
6. Measure and record the height of the ring.
7. With a certified ruler (metric), verify the graduated scale.

D. TOLERANCE

As set in Section 4.3 of ASTM C 187.

Note: The CCRL inspection shall be the verification of record.

EQUIPMENT VERIFICATION RECORD

Verified By:	Date:
Equipment:	Location (Lab):
Identification No.:	Verification Frequency:
Previous Verification Date:	Next Due Date:
Verification Equipment Used:	
Verification Procedure:	