

Sieve IN-HOUSE PROCEDURE

PROCEDURE FOR VERIFYING SIEVES

Item: Sieves

Purpose:

This method provides instructions for checking the physical condition of laboratory test sieves ranging in size from 75 mm (3 in.) to 0.075 mm (No. 200).

Inspection Equipment Required:

1. A caliper readable to 0.01 mm (Use for No. 4 sieve and coarser.)

Tolerance:

Sieves shall meet the physical requirements specified in AASHTO M 92.

Procedure:

(Step 1 applies only to sieves having openings greater than or equal to 4.75 mm)

1. Select approximately 10 openings (or all square openings if less than 10), in segments of 3 or 4 openings along a 45-degree line. Measure and record both dimensions of each sieve opening.
2. Inspect the general condition of the sieve. Check the frame and solder joints for cracks or holes, and check the wire cloth for tightness and uniformity (use a magnifying glass for the finer sieves).
3. Make sure the sieve has an appropriate label.
4. Check for tightness of the wires on each individual sieve.