

IN-HOUSE PROCEDURE # _____

PROCEDURE FOR VERIFYING FINE SIEVES

Item:

Fine Sieves

Purpose:

This method provides instructions for checking the physical condition of laboratory test sieves with openings smaller than the No. 4 (4.75 mm) sieve.

Inspection Equipment Required:

1. An optical magnifier.

Tolerance:

Sieves shall meet the physical requirements as specified in ASTM E11.

Procedure for Fine Sieves:

1. Inspect the label on the sieve for opening size designation, manufacturer's name and serial number. Repair or replace any unreadable or missing labels.
2. Visually inspect the condition of the sieve cloth against a uniformly illuminated background for punctures, creases, or large dents. Use an optical magnifier to examine any suspicious areas of the cloth for oversized openings. If defects are found, the sieve is unacceptable.
3. Visually inspect the tightness of the sieve cloth. If sieve cloth is loose or wavy, the sieve is unacceptable.
4. Visually inspect the frame and solder joint between the frame and the sieve cloth for cracks or holes. If any unsealed areas are noted, the sieve is unacceptable until the joint can be sealed.