

Sieve Shaker IN-HOUSE PROCEDURE

PROCEDURE FOR VERIFYING SIEVE SHAKERS

Item: Sieve Shaker

Purpose:

This method provides instructions for checking the sieving thoroughness of sieve shakers.

Inspection Equipment Required:

1. Sieves (3/4", 1/2", #4, #8, #16, #50, #100)
2. Balance, readable to 0.1 g.
3. Pan

Tolerance:

Sieve shakers shall sieve thoroughly such that after one minute of continuous hand sieving, not more than 0.5% by mass of total original sample passes any sieve.

Procedure:

1. Prepare a well-graded aggregate sample of adequate size based on nominal maximum aggregate size as described in AASHTO T-27.
2. Record the mass of the total sample.
3. Sieve the sample for 7 minutes.
4. Hand-sieve each sieve for one minute, tapping the sieve against the opposite hand 150 times during the minute.
5. Record the mass of the material that passes the sieve during one minute of hand-sieving.
6. Calculate the percent passing during hand sieving.