

**MATERIALS FINER THAN No. 200 SIEVE
IN
MINERAL AGGREGATE BY WASHING
AASHTO T 11**

APPARATUS

- Balance, sufficient capacity for sample, readable to 0.1 g or better, in accordance with AASHTO M 231
- Sieves
 - Lower Sieve -- No. 200
 - Upper Sieve -- Range of No. 8 to No. 16
- Container of sufficient size to contain sample and permit vigorous agitation without loss of sample or water
- Oven maintained at $230 \pm 9^{\circ}\text{F}$
- Electric hot plate or gas stove
- Spoon or trowel
- Mechanical apparatus (optional)

PROCEDURE

- Sample to be tested for gradation in accordance with AASHTO T 27
- Weight of sample if not tested for gradation is as follows:

Nominal Maximum Aggregate Size *	Minimum Weight of Sample, g
No. 4 or smaller	300
3/8 in.	1000
3/4 in.	2500
1 1/2 in.	5000

* If the nominal maximum size of aggregate is not listed, the next larger size shall be used to determine the size of sample.

- Sample dried to constant weight at $230 \pm 9^{\circ}\text{F}$

Note 1: Constant weight is defined as the weight at which further drying at the required drying temperature does not alter the weight by more than 0.1 percent

- Weight of sample determined to the nearest 0.1 % of the weight of the test sample
- Sample placed in container and covered with water (A wetting agent may be added at this time)
- Sample agitated sufficiently to separate particles finer than No. 200 sieve from coarser particles

- [] Wash water poured over nested sieves
- [] Procedure repeated until wash water is clear
- [] Material retained on nested sieves flushed to washed sample
- [] Washed aggregate dried to constant weight at $230 \pm 9^\circ\text{F}$
- [] Weight of sample determined to the nearest 0.1% of the weight of the test sample

CALCULATIONS

- [] Amount of material passing a No. 200 sieve by washing is calculated correctly to 0.1% as follows:

$$A = \frac{B - C}{B} \times 100$$

where:

A = percentage of material finer than No. 200 sieve by washing

B = original dry weight of sample, g

C = dry weight of sample after washing, g

NA - Not Applicable

X - Requires Corrective Action

√ - Satisfactory

Acceptance Technician

INDOT

Date

Comments: _____
