

IA Checklist

T 11 Total Materials Finer than 75- μ m (No. 200) Sieve

No.	Item	P	F	NA
1	Was correct size sample used? Was it split down to test size?			
2	Dry test sample to a constant mass at 230+/- 9°F (110 +/- 5°C). Determine the mass to the nearest 0.1% of the mass of the test sample.			
3	Place sample in container, add sufficient water to cover it.			
4	Agitate the sample to separate fine particles from coarse particles. Bring fines into suspension.			
5	Immediately pour wash water over a nest of two sieves, between the range of the No. 8 to the No. 16, and the 75- μ m (No. 200).			
6	Take care to avoid, as much as feasible, the decantation of coarser particles of the sample.			
7	Repeat steps 3 through 6 until wash water is clear. Note: When using a mechanical washing apparatus the sample shall not be washed for more than 10 minutes in accordance with T 11, Sec. 5.6, Note 1.			
8	Return all particles retained on sieves to washed sample by flushing.			
9	Dry the washed aggregate to a constant mass at a temperature of 230+/- 9°F (110 +/- 5°C) and determine the mass to the nearest 0.1%			
10	Calculate the amount of material passing the 75- μ m (No. 200) sieve by washing and add the amount of material passing the 75- μ m (No. 200) sieve by dry sieving in accordance with T 27.			
11	Report the results to the nearest 0.1%, except if the result is 10% or more, report the percentage to the nearest whole number.			
No.	Equipment	P	F	NA
1	Are Calibration records current?			
2	Sieves-A nest of two sieves, the lower being a 75- μ m (No. 200) sieve and the upper being a sieve with openings in the range of No. 8 to No. 16, both conforming to the requirement of ASTM E11.			
3	Container-A pan or vessel of a size sufficient to contain the sample covered with water and to permit vigorous agitation without loss of any part of the sample or water			
4	Oven-An oven of sufficient size, capable of maintaining a uniform temperature of 230+/- 9°F (110 +/- 5°C).			
5	Balance-The balance shall have sufficient capacity, be readable to 0.1 percent of the sample mass or better, and conform to the requirements of AASHTO M231.			
6	Mechanical Washing Apparatus - A sample shall not be washed for more than 10 minutes when using a mechanical washing apparatus. Wash intervals greater than 10 minutes have been shown to cause significant amounts of degradation depending on the aggregate type. T 11, Sec. 5.6, Note 1.			

Remarks: