

Procedure Checklist

FM 1-T011 Total Materials Finer than 75- μ m (No. 200) Sieve

	P	F	N/A
1. Dry the test sample to constant mass $230 \pm 9^{\circ}\text{F}$ ($110 \pm 5^{\circ}\text{C}$) and determine the mass to the nearest 0.1%.			
2. Place sample in container.			
3. Cover sample with water. Add 1 to 2 drops of wetting agent (soap).			
4. Agitate sample to separate fine particles from coarse particles. Bring fines into suspension.			
5. Immediately pour wash water over nested sieves.			
6. Avoid transfer of coarse particles.			
7. Repeat steps 3 through 6 until wash water is clear. Not more than 20 cycles.			
8. Return all particles retained on sieves to washed sample by flushing.			
9. Dry the washed aggregate to constant mass $230 \pm 9^{\circ}\text{F}$ ($110 \pm 5^{\circ}\text{C}$) and determine the mass to the nearest 0.1%.			
10. Calculate amount of material passing No. 200 sieve by washing and add the amount of material passing the No. 200 sieve by mechanical shaking.			
11. Report results to nearest 0.01%.			

Remarks:

Comparison Criteria:

Acceptable Range of Two Results (D2S), Percent

Coarse Aggregate:

Multilaboratory precision 0.62

Fine Aggregate:

Multilaboratory precision 0.82

Date: _____ Technician: _____ IA Observer: _____

Technician's E-mail Address: _____

Employer's/ Supervisor's E-mail Address: _____