

Procedure Checklist

FM 1-T030: Mechanical Analysis of Extracted Aggregate

		P	F	N/A
Washing				
1.	The initial dry weight of sample before washing was taken.			
2.	The sample was placed in bowl; water added to cover sample and a wetting agent was used.			
3.	The sample was agitated and decanted over a 2-sieve stack #8 or #10 and #200			
4.	Washing was continued until water became clear.			
5.	The material in sieves placed back into the bowl without loss of aggregate.			
6.	Care was taken to limit the amount of water introduced into the bowl while cleaning the wash sieves.			
Drying				
7.	The bowl was placed into oven to dry.			
8.	The oven used to dry the aggregate did not exceed the mixture laboratory compaction temperature $\pm 9^\circ\text{F}$ ($\pm 5^\circ\text{C}$) and was not less than $230 \pm 9^\circ\text{F}$ ($110 \pm 5^\circ\text{C}$).			
9.	The aggregate was dried to a constant weight. (Less than 0.1% change in weight.)			
Determining Mineral Material Lost Due to Washing				
10.	The weight of minus #200 aggregate lost by washing was determined by subtracting the dry weight from the extracted dry weight.			
Sieving				
11.	The appropriate sieves were verified to be clean and were assembled in the correct order.			
12.	The sample was poured into top of sieves with care taken not to lose sample and lid placed on top.			
13.	The sieves were placed in shaker and ran for an appropriate period of time as determined in FM 1 T-030..			
14.	The cumulative weight retained was determined for each sieve.			
15.	An individual weight was determined for the mass of material in the pan.			
16.	The mass of material in the pan was added to the mass of the material lost during washing to determine the total mass of material passing the # 200 sieve.			
17.	The cumulative percent retained was calculated by taking the cumulative mass retained and dividing it by the total dry weight of sample that was attained prior to washing.			

Remarks: **Comparison Criteria:** **See Section 8 of FM 1-T030**

Date: _____ Technician: _____ IA Observer: _____

Technician's E-mail Address: _____

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