

Procedure Checklist

AASHTO R-58 Dry Preparation of Disturbed Soil & Soil Aggregate Samples for Test

		P	F	N/A
Initial Preparation				
1.	Sample air dried not exceeding 140° F (60° C).			
2.	Sample obtained by splitting or quartering device.			
3.	Aggregations broken up in pulverizing apparatus avoiding reducing natural size of particles.			
4.	Weigh air dried sample and record mass as the total mass uncorrected for hygroscopic moisture.			
Sample separated into fractions by one of the following methods:				
5.	Sieve the sample over a No. 4 sieve. Material retained shall be ground.			
6.	The fraction passing the No. 4 sieve shall be thoroughly mixed.			
7.	Material retained shall be weighed and set aside for further testing.			
8.	The portion passing the No. 4 shall be sieved over a No. 10 sieve.			
9.	Material retained shall be weighed and set aside for further testing.			
10.	Sieve the sample over a No. 10 sieve. Material retained ground sieved again on the No. 10 sieve.			
11.	The fraction passing the No. 10 sieve thoroughly mixed and reduced.			
12.	A representative portion of this material passing the No. 10 sieve may be weighed and used for the Particle Size Analysis and Specific Gravity tests.			
13.	The remaining portion of the material passing the No. 10 sieve is sieved over the No. 40 sieve. Material retained ground with the pulverizing equipment and sieved again on the No. 40 sieve.			
14.	Repeat the pulverizing and sieving operation until only a small quantity passes the No. 40 sieve.			
15.	Any material retained on the No. 40 sieve shall be discarded.			
16.	The material passing the No. 40 sieve thoroughly mixed and used for the Liquid Limit and Plastic Limit tests, as well as other physical tests.			
Particle Size Analysis of Soil T88				
17.	Plus 10 material weigh recorded.			
18.	Material passing No 10 sieve approx. 110g sandy soil, 60g silty or clayey soil, (air dried).			
Specific Gravity T100				
19.	Materials passing No 10 at least 25g (oven dried).			
Physical Test				
20.	Material Passing No 40 sieve approx 300g (air dried).			

Remarks: _____ Comparison Criteria: **N/A**

Date: _____ Technician: _____ IA Observer: _____

Technician's E-mail Address: _____

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