SalierGeotechnical Limited

Laboratory Test Sheet

PARTICLE SIZE DISTRIBUTION BS 812 : PART 103 : 1985

Method 7.2 / 7.3*

Client :		Site :	
Client Ref. :		Job No.	
Lab. Ref. :		Date Received :	
Supplier :		Source :	
Material Type :	Sub-base	Specification :	
Material Name :	Type 1 Sub-base	Aggregate Type :	

Tray No.		Tray Wt.		Tray + Wet Wt.	
Tray + Dry Wt.		Unwashed Dry Wt.(M1)			

Washed Dry Wt+Tray		Washed Dry Wt.(M2)		Loss of Fines (M3)	(M1-M2)

BS Sieve	Max. Wt. 2	Weight Retained (g) 3		% Ret.	% Passing		Specification
		Increments	Total	100	Actual	Reported	% Passing
200 mm	5000 g						
150 mm	5000 g						
125 mm	5000 g						
100 mm	5000 g						
90 mm	5000 g						
75 mm	5000 g						
63 mm	5000 g						
50 mm	5000 g						
37.5 mm	4000 g						
28 mm	3000 g						
20 mm	2500 g						
Riffle Weight passing 20 mm Sieve =				Weight after Riffle=		Riffle Factor =	
14 mm	2000 g						
10 mm	1500 g						
6.3 mm	1000 g						
Riffle Weight passing 5 mm Test Sieve =				Weight after Riffle=		Riffle Factor =	
5 mm	750 g						
3.35 mm	550 g						
2.36 mm	450 g						
1.18 mm	300 g						
600 um	225 g						
425 um	180 g						
300 um	150 g						
212 um	130 g						
150 um	110 g						
75 um	75 g						
Passing 75 µm							
Loss of Fines (M3)							
TOTALS					Total in column 3 must = mass M1		

Comments :	

Tested By :		Date :		Checked By :		Date :	

Check Level (1 / 2 / 3)*

Notes
* Delete as applicable.
1 - Use attached form for interim constant dry weight checks.
2 - For 300 mm dia. Sieves.
3- Where weight on the sieve is greater than allowed each increment sieved must be recorded on this form then totalled.
4 - Particles to be weighed to 0.1 % of their mass to maximum accuracy of 0.01 g.