

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)
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BS Sieve	Max. Wt. 2	Weight Retained (g) 3		% Ret. 100	% Passing		Specification % Passing
		Increments	Total		Actual	Reported	
200 mm	5000 g						
150 mm	5000 g						
125 mm	5000 g						
100 mm	5000 g						
90 mm	5000 g						100
75 mm	5000 g					75 mm	
63 mm	5000 g						
50 mm	5000 g						85 -100
37.5 mm	4000 g					37.5 mm	
28 mm	3000 g						60 - 100
20 mm	2500 g					20 mm	
Riffle Weight passing 20 mm Sieve =				Weight after Riffle=		Riffle Factor =	
14 mm	2000 g						
10 mm	1500 g					10 mm	40 - 70
6.3 mm	1000 g						
5 mm	750 g					5 mm	25 - 45
Riffle Weight passing 5 mm Test Sieve =				Weight after Riffle=		Riffle Factor =	
3.35 mm	550 g						
2.36 mm	450 g						
1.18 mm	300 g						
600 um	225 g					600 um	
425 um	180 g						8 - 22
300 um	150 g						
212 um	130 g						
150 um	110 g						
75 um	75 g					75 um	0 -10
Passing 75 µm							
Loss of Fines (M3)							
TOTALS						Total in column 3 must = mass M1	

Comments :

Tested By :	Date :	Checked By :	Date :
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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.