

Laboratory Test Sheet

PARTICLE SIZE DISTRIBUTION BS 812 : PART 103 : 1985

Method 7.2 / 7.3*

Client : <u>Alfred McAlpine Civil Engineering</u>	Site : <u>Stanton North Phase II</u>	
Client Ref. : <u>12345</u>	Lab. Ref. : <u>10073</u>	Job No. : <u>B4240/96V</u>
Supplier :	Source :	Date Received : <u>04/09/1996</u>
Material Type : <u>Sub-base</u>	Specification : <u>Type 1 Sub-base</u>	
Material Name : <u>Type 1 Sub-base</u>	Aggregate Type : <u>Not Known</u>	

Tray No. :	Tray Wt. :	Tray + Wet Wt. :
Tray + Dry Wt. : 1	Unwashed Dry Wt. (M1) :	
Washed Dry Wt + Tray	Washed Dry Wt. (M2) : 1	Loss of Fines (M3) : (M1 - M2)

BS Sieve	Max. Wt. ²	Weight Retained (g) ³		% Ret.	% Passing		Specification % Passing
		Increments	Total		Actual	Reported	
500 mm	5000 g						
150 mm	5000 g						
125 mm	5000 g						
100 mm	5000 g						
90 mm	5000 g						100
75 mm	5000 g					75.0 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					20.0 mm	
Riffle Weight passing 20 mm Test Sieve =		Weight after Riffle =		Riffle Factor =			
14 mm	2000 g						
10 mm	1500 g					10.0 mm	40 - 70
6.3 mm	1000 g						
5 mm	750 g					5.00 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						
1.7 mm	375 g						
1.18 mm	300 g						
600 μm	225 g					600 um	
425 μm	180 g						8 - 22
300 μm	150 g						
212 μm	130 g						
150 μm	110 g					75 um	0 - 10
75 μm	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.