

# Laboratory Test Sheet

## PARTICLE SIZE DISTRIBUTION BS 1377 : PART 2 : 1990

Method 9.2 / 9.3 / 9.5\*

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> Date Received : <u>04/09/1996</u>
Supplier :	Source :
Material Type : <u>Sub-base</u>	Specification : <u>Type 1 Sub-base</u>
Material Name : <u>Type 1 Sub-base</u>	Stone Type : <u>Not Known</u>

Tray No. :	Tray Wt. :	Tray + Wet Wt. :
Tray + Dry Wt. : 1	Unwashed Dry Wt. (M1) :	

**BS 1377 Test Method 1\***

Wt. Retained 20 mm (M4) :	Tray No. :	
Wt. Passing 20 mm (MA) :	Tray No. :	
Wt. Passing 20 mm after Riffing (MB)	Riffle - MA/MB =	Wt. Passing 20 mm after Wash (M5) :
Loss of Fines (MA - M5) :	Total Loss of Fines (M3) :	(MB-M5)xRiffle

**BS 1377 Test Method 2\***

Int. Dry Wt. Ret. 20 mm (MA) :	Tray No. :	
Int. Dry Wt. Passing 20 mm (MB) :	Tray No. :	
Fines Washed from Ret. 20 mm (MC) :	Tray No. :	
Dry Wt. Ret. 20 mm (M4) (MA-MC)	Tray No. :	
Dry Wt. pass. 20 mm (MD) (MB+MC)	Tray No. :	
Wt. Passing 20 mm after Riffing (ME) :	Riffle - MD/ME =	Wt. Passing 20 mm after Washing (M5) :
Loss of Fines (ME-M5) :	Total Loss of Fines (3) :	(ME-M5)xRiffle

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						
Riffle Weight passing 6.3 mm Test Sieve =		Weight after Riffle =		Riffle Factor =			
5 mm	750 g					5.00 mm	25 - 45
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						0 - 10
75 µm	75 g					75 um	
<b>Passing 75 µm</b>							
<b>Loss of Fines (M3)</b>							
<b>TOTALS</b>							<b>Total in column 3 must = mass M1</b>

Comments : \_\_\_\_\_

Tested By : \_\_\_\_\_ Date : \_\_\_\_\_ Checked By : \_\_\_\_\_ Date : \_\_\_\_\_

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

Check Level ( 1 / 2 / 3 ) \*