

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> | Date Received : <u>04/09/1996</u> |
| Supplier : | Job No : <u>B4240/96V</u> | |
| Material Type : <u>Sub-base</u> | Source : | |
| Material Name : <u>Type 1 Sub-base</u> | Specification : <u>Type 1 Sub-base</u> | |
| | Stone Type : <u>Not Known</u> | |

| | | |
|--|----------------------------|--|
| Tray No. : | Tray Wt. : | Tray + Wet Wt. : |
| Tray + Dry Wt. : <u>1</u> | 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 | | | | | | |
| 75 mm | 5000 g | | | | | 75.0 mm | 100 |
| 63 mm | 5000 g | | | | | | |
| 50 mm | 5000 g | | | | | | |
| 37.5 mm | 4000 g | | | | | 37.5 mm | 85 - 100 |
| 28 mm | 3000 g | | | | | | |
| 20 mm | 2500 g | | | | | 20.0 mm | 60 - 100 |
| Riffle Weight passing 20 mm Test Sieve = | | | Weight after Riffle = | | | Riffle Factor = | |
| 14 mm | 2000 g | | | | | | |
| 10 mm | 1500 g | | | | | 10.0 mm | |
| 6.3 mm | 1000 g | | | | | | 40 - 70 |
| Riffle Weight passing 6.3 mm Test Sieve = | | | Weight after Riffle = | | | Riffle Factor = | |
| 5 mm | 750 g | | | | | 5.00 mm | |
| 3.35 mm | 550 g | | | | | | 25 - 45 |
| 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 | | | | | | |
| 300 µm | 150 g | | | | | | 8 - 22 |
| 212 µm | 130 g | | | | | | |
| 150 µm | 110 g | | | | | 75 um | |
| 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 : _____

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) *