

Laboratory Test Sheet

TEN PERCENT FINES DETERMINATION BS 812 : PART 111 : 1990

Method Soaked / Dry*

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

Sample Susceptible to Crushing : Yes / No*
 Fraction used for Test : Passing : _____ mm Retained : _____ mm Sieve Wt. of Test Portion : _____ (g) Inc. : _____ (g)
 Total Penetration of Plunger in 10 min ± 30 s for Determination 1 from 7.1.2 _____ (mm)

Test Specimens in Soaked Condition Only*

Basket No. :	Soaking Date & Time		Temperature During Soaking (°c)	
	In	Out	Maximum	Minimum

Test Data	Test No. 1	Test No. 2	Test No. 3	Test No. 4
Max. Force (f) (Kn)	1	2		
Real Time in Oven*				
Real Time Out of Oven*				
Tray No.				
Tray Wt. (g)				
Tray + Specimen Wt. (g) 5				
Specimen Wt. (M1) (g)				
Wt. of Fraction passing ** mm Test Sieve (M2) (g)				
Wt. of Fraction retained ** mm Test Sieve (M3) (g)				
M2 + M3 (g) 3				
Percentage Fines $M = \frac{M2 \times 100}{M1}$ (to 0.1%)				
Force $F = 14f$ (to 1 kn) (M + 4)				

Ten percent Fines Value : _____ 4 (Kn) Calculated from the mean of the two results where M is within the Specified Range (2)

Comments : _____

Tested By : _____ Date : _____ Checked By : _____ Date : _____

Check Level (1 / 2 / 3)*

- Notes :
- * - Delete as applicable
 - ** - Insert applicable BS test sieve size 2.36 mm for standard tests or from Table 3 if not
 - 1 - Insert either : i) Maximum force applied to produce required penetration
 ii) Force estimated from AIV and used for test
 - 2 - Force (F) from previous determination if M is within the range of 7.5% - 12.5%, otherwise use an adjusted maximum test loading
 - 3 - Must equal $M1 \pm 10$ g
 - 4 - To the nearest 10 Kn for forces of ≥ 100 Kn or 5 Kn for forces of > 100 Kn
 - 5 - Use Final Dry Wt. from moisture content constant weight check sheet form over as applicable