SalierGeotechnical Limited

Laboratory Test Sheet

RELATIVE DENSITY & WATER ABSORPTION BS 812 : PART 2 : 1975

Method 5.4 / 5.5*

Client :		Site :	
Client Ref. :		Job No.	
Lab. Ref. :		Date Received :	
Supplier :		Source :	
Material Type :	Sub-base	Specification :	Type 1 Sub-base
Material Name :	Type 1 Sub-base	Aggregate Type :	

Test Data	Test No. 1	Test No. 2	
Water Temperature at Start of Test (°c)			
Tray No.			
Jar No.			
Date / Time in Soak			
Date / Time Removed from Water			24 ± 1/2 hr.
Max. / Min. Water Temperature during Soaking (°c)			20 ± 5°c
Test Water Temperature (°c)			
Weight of Jar + Water + Sample (B) (g)			
Weight of Jar + Water (C) (g)			
B - C (g)			
Test Water Temperature (°c)			Max. Change 2°c
Weight of Sample SSD condition (A) (g)			
Date / Time on Oven			100 - 110°c
Date / Time out Oven			24 ± 1/2 hr.
Tin No.			
Tin Weight (g)			
Tin + Oven Dry Sample (g) 1			
Weight of Sample Oven Dry condition (D) (g)			

Averages

Relative Density			To Nearest 0.01
Oven Dried = $\frac{D}{A - (B - C)}$			
SSD = $\frac{A}{A - (B - C)}$			
Apparent = $\frac{D}{D - (B - C)}$			

Water Absorbption			To Nearest 0.01
Percentage = $\frac{100\ (A - D)}{D}$			

Comments :	

Tested By :		Date :		Checked By :		Date :	

Check Level (1 / 2 / 3)*

Notes * Delete as applicable.

1 - Use Final Dry Wt. from moisture content constant weight check sheet form over page as applicable