SalierGeotechnical Limited

Laboratory Test Sheet

Bulk Density of Aggregate Voids and Bulking : BS812 Section 2

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

	Test 1	Test 2	Test 3	Test 4
Weight Container + Compacted/Uncompacted* Aggregate A (g)				
Weight of Container B (g)				
Weight Compacted/Uncompacted* Aggregate C (g)				
Volume of Calibrated Container V (m3)				
Bulk Density b = (A - B) / V				
Percentage Voids = 100 * ((a - (b / 100))/a)				
Percentage Bulking at Test Moisture Content = (b1 * (100 + M)/C) - 100				

*Oven Dry/ Saturated/ SSD

*Oven Dry/ Saturated/ SSD

a= Relative density (Oven Dried) of Aggregate
b= Bulk density (Oven Dried)
b1= Uncompacted bulk density of Oven Dried Fine Aggregate
c= Uncompacted bulk density of Fine Aggregate at test
M= Moisture Content Test Moisture Content

Comments :	

Tested By :		Date :		Checked By :		Date :	

Check Level (1 / 2 / 3)*

Notes * Delete as applicable.

1. Report Bulk Density to Nearest 10kg/m3
2. Report Voids and Bulking to Nearest whole Number
3. Condition of sample at time of test (o.d/Satd/ssd)