

Density by immersion in water

Location	Job ref.	
	Borehole/Pit no.	
Soil description	Sample No.	
	Depth	m
Test method BS1377: Part 2: 1990: 8.3/8.4	Date	
Method of preparation		
Small/large pycnometer		
Specimen reference		
Mass of bottle,soil and water (m3) g		
Mass of bottle and soil (m2) g		
Mass of bottle full of water (m4) g		
Mass of bottle (m1) g		
Mass of soil (m2-m1) g		
Mass of water in full bottle (m4-m1) g		
Mass of water used (m3-m2) g		
Volume of soil particles (m4-m1)-(m3-m2) mL		
Particle Density		
$ps = (m2-m1)/(m4-m1)-(m3-m2)$ Mg/m3		
Average Value ps Mg/m3		
	Operator	Checked
		Approved
		Form 2L