

Density by immersion in water

Location	Job ref.	
	Borehole/Pit no.	
Soil description	Sample No.	
	Depth	m
Test method BS1377: Part 2: 1990: 7.3	Date	

Density of wax used (Pp) =	Mg/m3						
Sample refernce							
Mass of Soil sample(ms)	g						
Mass of specimen after filling air voids(mf)	g						
Mass of specimen after Waxing (mw)	g						
Mass of Wax (mp=mw - mf)	g						
Apparent mass of waxed specimen suspended in water (mg)	g						
Volume of Specimen (Vs) = (mw - mg) - ((mp)/Pp)	cm3						
Bulk Density p = Ms/Vs	Mg/m3						

Moisture Content

Moisture Content Container No.						
Moisture Content (w)	%					
Dry Density $p_d = 100p/(100+w)$	Mg/m3					
	Operator	Checked	Approved			

Form 2H