Density by water displacement

Location		Job ref.	
		Borehole/Pit no.	
Soil description		Sample No.	
		Depth	m
Test method BS1377: Part 2: 1990: 7.4		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						
Mass of receiver + displaced water (m2)	g						
Mass of receiver empty (m1)	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 pd = 100p/(100+w)	Mg/m3						

	Operator	Checked	Approved

	Form 2J