BS 1377 : Part 2 : 1990

Particle Size Distribution (Hydrometer Sedimentation)

Location	Job ref.	
	Borehole/Pit no.	
Soil description	Sample No.	
	Depth	m
Test method BS1377: Part 2: 1990: 9.6	Date	

Method of preparation

CALIBRATION AND SAMPLE DATA		**PRETREATMENT***		
Hydrometer no.		Pretreated with		
Meniscus correction C_m		Initial dry mass of sample	mo	g
Reading in dispersant Ro		Dry mass after pretreatment	m	g
Calibration equation hr = ... - ..... Rh		Pretreatment loss	mo-m	g
Dry mass of soil m	g			%
Particle Density				
measured/assumed * ps	Mg/m3	D = 0.005531*sqrt(n*Hr)/(ps-1)t		mm
Viscosity of water.....C *	mPa.s			
		K = ((100*ps)/(m*(ps-1))/Rd%		

TEST DATA

Date	Time	Elapsed Time t min	Temp. T deg C	Reading Rn'	Rn'+Cm = Rh	Effective depth Hr mm	Particle diameter D mm	Rh'-Ro' =Rd	Percentage finer than D K%

*Delete as appropriate

	Operator	Checked	Approved

Form 2Q