BS 1377 : Part 2 : 1990

Particle Size Distribution (Pipette Sedimentation)

Location		Job ref.	
		Borehole/Pit no.	
Soil description		Sample No.	
		Depth	m
Test method	BS1377: Part 2: 1990: 9.7	Date	
Method of preparation			

CALIBRATION

Pipette No.		
Volume of pipette Vp		mL

SAMPLE DATA

Dry mass of soil		g
Particle density measured/assumed *		Mg/m3
Viscosity of water.....C *		mPa.s
D = 0.005531 * sqrt((n*Hr)/(ps-1)t)		mm*

PRETREATMENT*

Pretreated with			
Initial dry mass of sample	mo	g	
Dry mass after pretreatment	m	g	
Pretreatment loss	mo-m	g	
		%	

$$K = \frac{(W1 \text{ etc} - Wr) * 100}{m}$$

At 25deg C, D = 0.05221*sqrt((ps-1)t)

TEST DATA

Pipette sample ref.							Dispersant only
Date							
Time							
Elapsed Time min							
Temperature degC							
Bottle No.							
Mass of bottle + solids g							
Mass of bottle g							
Mass of solids in Vp m1 etc. g							mr
Mass of solids in 500 mL W1 etc. g							Wr
Mass of soil in 500 mL W1 etc,-\ g							
Particle diameter mm							
Percentage finer than D %							

*Delete as appropriate

	Operator	Checked	Approved

Form 2P