

**Saturation moisture content of Chalk**

Location	Job ref.	
	Borehole/Pit no.	
Soil description	Sample No.	
	Depth	m
Test method BS1377: Part 2: 1990: 3.3	Date	

<b>Density</b>						
Specimen no.						
Mass of Specimen ( $m_s$ )	g					
Mass of specimen + filler + wax ( $m_w$ )	g					
Mass of Wax ( $m_w - m_s$ )	g					
Density of Wax ( $p_p$ )	Mg/m <sup>3</sup>					
Apparent mass of waxed specimen suspended in water	g					
Volume of Specimen ( $V_s = (m_w - m_g) - ((m_w - m_s)/P_p)$ )	cm <sup>3</sup>					
Bulk Density	Mg/m <sup>3</sup>					

<b>Moisture Content</b>						
Container No.						
Mass of wet soil + container ( $m_2$ )	g					
Mass of dry soil + container ( $m_3$ )	g					
Mass of Container ( $m_1$ )	g					
Mass of Moisture ( $m_2 - m_3$ )	g					
Mass of dry Soil ( $m_3 - m_1$ )	g					
Moisture Content $w = \frac{(m_2 - m_3)}{(m_3 - m_1)}$	%					

Dry Density	Mg/m <sup>3</sup>					
Saturation moisture content (ws)	%					
	Operator	Checked		Approved		