BS 1377 : Part 5 : 1990

In-situ density test (sand replacement m	ethod)		DO 1377 . Fait 3	1 1000	
Location			Job ref.		
			Borehole/Pit no.		
Soil description			Sample No.		
			Depth excavated	1	m
			Date	*	111
Tast mathe d			Date		
Test method					
BS1377: Part 8: 1990	_	uring cylinder*			
	2.2 large pou	uring cylinder			
Calibration					
*Mean mass of sand in cone of pouring cylinder			g		
Volume of calibration container	(V)		mL		
*Mass of sand + cylinder before pouring	(m <sub>1</sub> )		g		
*Mean mass of sand + cylinder after pouring	(m <sub>3</sub> )	`	g		
*Mass of sand to fill calibrating container	$(m_4 = m_1 - m_1)$	-m <sub>2</sub> -m <sub>3</sub> )	g		
Bulk density of sand ps = $\underline{m}_a$ V			Mg/m <sup>3</sup>		
Test no.					
Mass of wet soil from hole	g				
*Mass of sand + cylinder before pouring	g				
*Mass of sand + cylinder after pouring	g				
*Mass of sand in hole	g				
Ratio <u>m</u> w	8				
$m_{\rm b}$					
Bulk density $p = \underline{m_w} * p_s$	Mg/m <sup>3</sup>				
$m_{\rm h}$	1118/111				
Moisture content container no.					
Moisture content	%				
Dry density pd = $\frac{100 \text{ p}}{}$	Mg/m <sup>3</sup>				
$\frac{200 \text{ p}}{100 + \text{w}}$	1,18/111				
* Delete as appropriate					
			Checked	Approved	d
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Form 9A
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