BS 1377 : Part 6 : 1990

Triaxial	cell pern	neability	test							
Locatio	n					Job ref.				
						Borehole/Pit no.				
Soil de	scription					Sample No.				
						Depth	m			
						Date				
Test me	ethod	В	3S1377: Part 6: 1990	: 6						
			Constant head permeabil	ity test in triax	xial cell					
Type of	specimen	Undist	urbed/compacted*							
Method	of prepa	ration								
Flow co	nditions	Vertica	l upwards/downwards	*						
	ECIMEN			П						
Diameter	r	D mm		Nominal effo			kPa			
Area A mm ²				Cell pressure		σ^3 kPa				
Length mm				Back pressu		p ₂ kPa				
Density $p \text{ Mg/m}^3$				Pressure diff		$(p_1 - p_2) \text{ kPa}$				
Moisture Content %				Inlet pressur		p_1 kPa				
Dry Den	sity	$p \mathrm{Mg/m}^3$		Mean effective stress kPa						
Method of saturation				$\sigma^3 = \sigma^3 - 1/2(p 1 + p 2)$						
F: 1 P				Hydraulic gr						
Final B										
	EADINGS		1 11 .							
Clock	Elapsed	Volume	change indicator							
time	Time		inlet		outlet	Test temperature	°C			
		reading	difference	reading	difference	Correction				
	t		Q_1		Q_2	factor R _t Remarks				
	min		mL	1	mL	Remarks				
	0		0		0					
			·		Operator	Checked	Approved			
						-				

Form 6P

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kPa							
3 q L R ₁	* 10 ⁻⁴ m/s						
Accented ne	rmeability					m/	/s
	i			T T			
Operator		Checked			Appr	oved	—
•		-					
					Form	6P2	
	3 q L R _t - p ₂) - p _c)	kPa $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	kPa $\frac{3 \ q \ L \ R_{t}}{-p_{2}) - p_{c}} * 10^{-4} \text{ m/s}$ Accepted permeability	kPa $ \frac{3 \ q \ L}{-p_2} = \frac{R_t}{-p_2} + 10^{-4} \text{m/s} $ Accepted permeability	kPa $ \frac{3 \ q \ L \ R_{t}}{(-p_{2}) - p_{c}} * 10^{-4} \text{ m/s} $ Accepted permeability	kPa $ \frac{3 \ q \ L \ R_1}{(-p_2) - p_c)} $ * 10^{-4} m/s $-p_2) - p_c$ Accepted permeability Operator Checked Appr	kPa $ \frac{3 \ q \ L \ R_t}{(-p_2) - p_c)} * 10^{-4} \text{ m/s} $ Accepted permeability m/