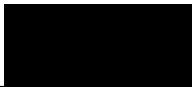




TEST REPORT
ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 05/08/2024



Contract	The Croft, Little Wymondley		
Serial No.	45393_1		
Client: t3ec Orchard House Suite 2 Tebbutts Road St Neots Cambridgeshire United Kingdom PE19 1AW		Soil Property Testing Ltd 15, 16, 18 Halcyon Court, St Margaret's Way, Stukeley Meadows, Huntingdon, Cambridgeshire, PE29 6DG Tel: 01480 455579 Email: enquiries@soilpropertytesting.com Website: www.soilpropertytesting.com	
Samples Submitted By: t3ec Samples Labelled: The Croft, Little Wymondley		Approved Signatories: ☒ J.C. Garner B.Eng (Hons) FGS Technical Director & Quality Manager ☐ W. Johnstone Materials Lab Manager 	
Date Received: 29/07/2024		Samples Tested Between: 29/07/2024 and 05/08/2024	
Remarks: For the attention of Andrew Gray Your Reference No: J7209			
Notes: 1 All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary. 2 Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. 3 Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory. 4 This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory. 5 The results within this report only relate to the items tested or sampled.			



TEST REPORT

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Contract		The Croft, Little Wymondley																						
Serial No.		45393_1										Target Date		12/08/2024										
Scheduled By		t3ec																						
Schedule Remarks																								
Bore Hole No.	Type	Sample Ref.	Top Depth	Water Content (BS EN) Liquid/Plastic Limits Wet Sieve Preparation Sulphate Content/pH Value																				Sample Remarks
TP2	S	4	2.10	1	1	1	1																	
TP3	S	4	1.20	1	1	1	1																	
Totals				2	2	2	2												End of Schedule					



TEST REPORT

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Contract		The Croft, Little Wymondley												
Serial No.		45393_1												
SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX														
Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasti- city Index (%)	Liquid- ity Index	Sample Preparation				Description	Class
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
TP2	2.10	S	4	19.2	47	17	30	0.07	Wet Sieved	11 (M)	21.6*	24	Stiff yellowish brown slightly gravelly slightly sandy silty CLAY with rare recently active roots. Gravel is fine to coarse angular to subrounded chalk and chert	CI
TP3	1.20	S	4	18.4	38	16	22	0.11	Wet Sieved	13 (M)	21.1*	24	Firm yellowish brown slightly gravelly slightly sandy silty CLAY with occasional orange staining and rare recently active roots. Gravel is fine to coarse angular to subrounded chalk and chert	CI
Method Of Preparation:		BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:4.2												
Method of Test:		BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:3.2, 4.4, 5.3, 5.4												
Type of Sample Key:		U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter												
Comments:		*Corrected water content assume material greater than 0.425mm is non-porous. See BS1377: Part 2: 1990 Clause 3 Note 1.												
Table Notation:		Ret'd 0.425mm: (A) = Assumed, (M) = Measured												



TEST REPORT

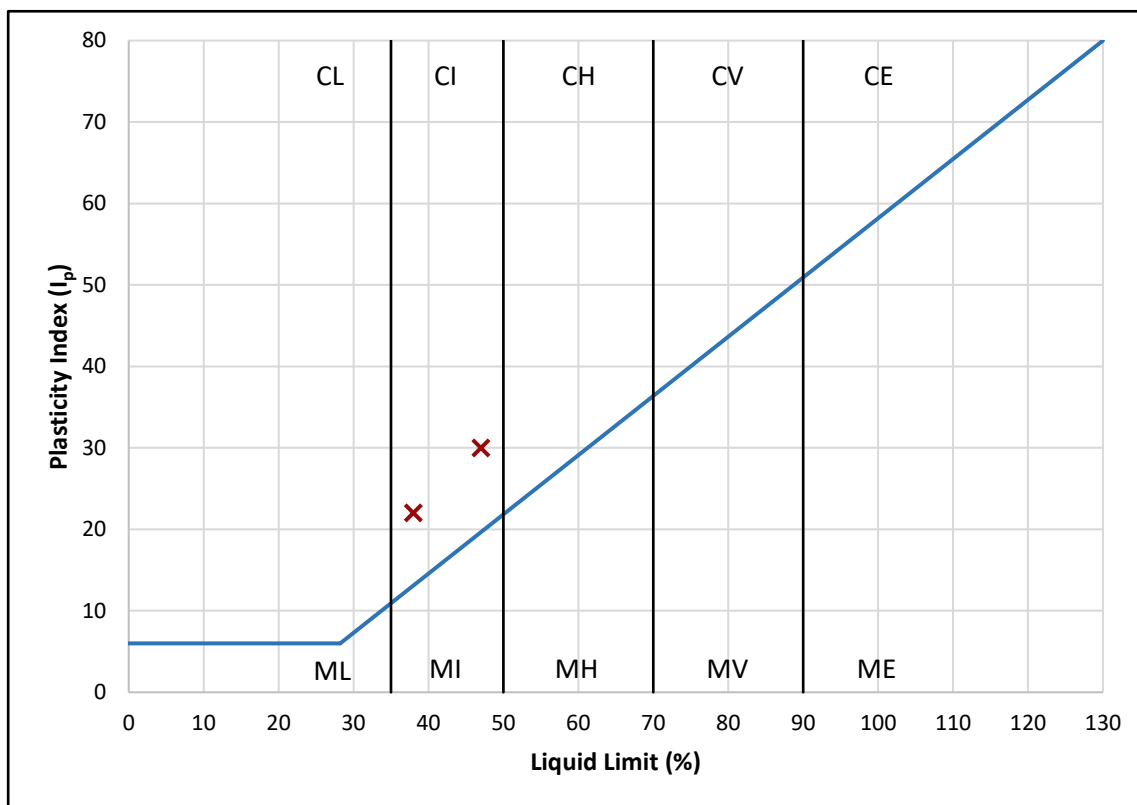
ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 05/08/2024



Contract	The Croft, Little Wymondley
Serial No.	45393_1

PLOT OF PLASTICITY INDEX AGAINST LIQUID LIMIT USING CASAGRANDE CLASSIFICATION CHART

Plasticity				
Low	Medium	High	Very High	Extremely High



Plasticity Chart BS5930: 2015: Figure 8

High	NHBC Volume Change Potential
Medium	
Low	

Method of Preparation:	BS 1377: Part 2: 1990: 4.2
Method of Test:	BS1377: Part 2: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index



TEST REPORT

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Contract	The Croft, Little Wymondley						
Serial No.	45393_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks	
TP2	2.10	S	4	19.2	Stiff yellowish brown slightly gravelly slightly sandy silty CLAY with rare recently active roots. Gravel is fine to coarse angular to subrounded chalk and chert		
PREPARATION					Liquid Limit	47 %	
Method of preparation					Wet sieved over 0.425mm sieve	Plastic Limit	17 %
Sample retained 0.425mm sieve (Measured)					11 %	Plasticity Index	30 %
Corrected water content for material passing 0.425mm					21.6 %	Liquidity Index	0.07
Sample retained 2mm sieve (Measured)					7 %	NHBC Modified (I'p)	27 %
Curing time			24 hrs	Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %							

Plasticity Chart BS5930: 2015: Figure 8



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Contract	The Croft, Little Wymondley							
Serial No.	45393_1							
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX								
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks		
TP3	1.20	S	4	18.4	Firm yellowish brown slightly gravelly slightly sandy silty CLAY with occasional orange staining and rare recently active roots. Gravel is fine to coarse angular to subrounded chalk and chert			
PREPARATION					Liquid Limit	38 %		
Method of preparation					Wet sieved over 0.425mm sieve	Plastic Limit	16 %	
Sample retained 0.425mm sieve (Measured)					13 %	Plasticity Index	22 %	
Corrected water content for material passing 0.425mm					21.1 %	Liquidity Index	0.11	
Sample retained 2mm sieve (Measured)					8 %	NHBC Modified (I'p)	19 %	
Curing time				24 hrs	Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %								

Plasticity Chart BS5930: 2015: Figure 8



TEST REPORT
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Contract:	The Croft, Little Wymondley
Serial No:	45393_1

DETERMINATION OF THE SULPHATE CONTENT AND pH OF SOIL AND GROUNDWATER

Borehole / Pit No.	Depth (m)	Sample		Conc. of Soluble SO ₃		Calc'd Conc. Of SO ₄ (g/L)	pH Value	% Sample Passing 2mm Sieve	Description	Remarks
		Type	Ref.	Water Soluble 2:1 (g/L)	Ground Water (g/L)					
TP2	2.10	S	4	0.09		0.11	7.2	93	Stiff yellowish brown slightly gravelly slightly sandy silty CLAY with rare recently active roots. Gravel is fine to coarse angular to subrounded chalk and chert	
TP3	1.20	S	4	0.11		0.13	7.2	92	Firm yellowish brown slightly gravelly slightly sandy silty CLAY with occasional orange staining and rare recently active roots. Gravel is fine to coarse angular to subrounded chalk and chert	

Method of Preparation:	BS1377: Part 1: 2016: 8.5, BS1377: Part 3: 1990: 5.3 Soil/Water Extract, 5.4 Groundwater
Method of Test:	BS1377: Part 3: 1990: 5.5
Type of Sample Key:	U= Undisturbed, B= Bulk, D= Disturbed, J= Jar, W= Water, SPT= Split Spoon Sample, C= Core Cutter
Comments:	Test not UKAS accredited
Remarks to Include:	Sample disturbance, loss of moisture, variation from test procedure, location, and origin of test specimen within original sample. Oven drying temperature if not 105-110C.