



# Accreditation Scope

**Hafeet Laboratories for Soil Investigation, NAL 160  
Testing Laboratory, (ISO/IEC 17025:2017)**

**Khalifa Ibn Zayed Al Awwal Street – Al Ain, UAE**

Issue Date: 11-08-2021

v Expiry Date: 10-08-

2024

Issue No: 02

Testing Field	Materials/ Products tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
Geotechnical	Soil	Soil penetration test	*BS13777-9:1990, Cl. 3.3	S
		Soil sampling	BS 5930:2015 Cl. 25.3	S
	Rock	Rotary core drilling	BS 5930:2015, Section 4, Cl. 25.7	S
	Rock & Soil	Soil and rock description	BS 5930:2015, Cl. 33 & 36	S / P
	Soil	Particle size distribution (sieve analysis)	BS EN ISO 17892- 4:2016, Cl. 5.2	P
		Hydrometer	BS EN ISO 17892- 4:2016, Cl. 5.3	P
		Determination of Water Content	BS EN ISO 17892-1:2014	P
	Rock & Soil	Determination of water (moisture) content of soil and rock by mass	ASTM D 2216-2019	P
	Soil	Atterberg limits (liquid limit, plastic limit and plasticity index of soil)	ASTM D 4318-2017e1	P
	Water	Ground water level measurement	BS 5930:2015 Cl. 26.2 & 26.3 & 52	S
		Ground water sampling	BS 5930:2015 Cl. 26.4	S
	Rock	Unconfined compression test	ASTM D 7012-2014 <sup>e1</sup> Method C	P
		Preparation of rock core	ASTM D 4543-2019	P
		Rock quality designation	BS 5930:2015, Cl. 36	S / P
		Core recovery	BS 5930:2015, Cl. 36	S / P
	Reporting	Reporting	BS 5930:2015, Cl. 63	P



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Chemical	Soil	Acid soluble sulphate content of soil	BS 1377-3:2018, Cl. 7.2, 7.9, 7.6	P
		Water soluble sulphate content of soil	BS 1377-3:2018, Cl. 7.2,7.3,7.6	
		Acid soluble chloride content of soil	BS 1377-3:2018, Cl. 9.3	
		water soluble chloride content of soil	BS 1377-3:2018, Cl. 9.2	
		pH value of soil	BS 1377-3:2018, Cl. 12	
	Water	pH value of ground water	BS 1377-3:2018, Cl. 12	P
		Sulphate content of ground water	BS 1377-3:2018, Cl. 7.2,7.8,7.6	
		Chloride content of ground water	BS 1377-3:2018, Cl. 9.2	
<b>END</b>				

\* Standard is superseded.