



# Accreditation Scope

## Spectra Geological Surveys L.L.C (NAL 181) Testing Laboratory, (ISO/IEC 17025:2017)

Al Dhafra Region, Abu Dhabi - UAE

Issue Date: 24-08-2022

Expiry Date: 23-08-2025

Issue No: 01

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)	
Mechanical & Physical	Soil	Soil penetration test (SPT)	BS 1377-9:1990, Cl. 3.3	P	
		Soil sampling	BS 5930-2015 Sec-4 Cl-25	P	
	Ground water	Ground Water Level Measurement	BS 5930-2015, Sec-8 Cl-52.1 & 52.2	P	
		Ground water sampling	BS 5930-2015 Sec-4 Cl-26.4	P	
	Soil & Rock	Soil and Rock Description	BS 5930-2015 Sec-6 Cl-33, 34 & 35 Clarke & Walker	P	
	Soil core	Rock quality designation	BS 5930-2015 Sec-6 Cl-36	P	
		Core recovery	BS 5930:2015, Cl 36	P	
	Rock core	Preparation of Rock Core	ASTM D 4543-19	P	
	Soil	Determination of Particle Size Distribution by Hydrometer Method	BS EN ISO 17892-4:2016, Cl. 5.3	P	
			BS EN ISO 17892-4:2016	P	
		Moisture content of soil and rock by mass	BS EN ISO 17892-4:2016 ASTM D2216-19	P	
		Determination of Liquid Limit, Plastic Limit and Plasticity Index of Soil	BS EN ISO 17892-12: 2018, Cl: 5.4	P	
		Unconfined Compression Test	ASTM D 7012-14 e1	P	
	Chemical	Ground Water	pH of Ground Water	BS 1377-3:2018 Cl. 12	P
			Chloride content of Ground Water	BS 1377-3:2018 Cl. 9.2	P
Sulphate content of Ground Water			BS 1377-3:2018 Cl. 7.2, 7.8, 7.3.4.4 & 7.6	P	
Soil		pH of Soil	BS 1377-3:2018 Part 3 Cl. 12	P	
		Acid soluble chloride content of Soil	BS 1377-3:2018 Cl. 9.3	P	
		Water soluble chloride content of Soil	BS 1377-3:2018 Cl. 9.2	P	
Soil	Acid soluble sulphate content of Soil	BS 1377-3:2018 Cl. 7.2, 7.6, 7.9	P		
	Water soluble sulphate content of Soil	BS 1377-3:2018 Cl. 7.2, 7.3, 7.6	P		
<b>END</b>					