

# Accreditation Scope

**Matrix Laboratory, NAL 081**  
**Testing Laboratory, (ISO/IEC 17025:2017)**

**Al Mussafah, Abu Dhabi, UAE**

**Issue Date: 12-06-2020**

**Expiry Date: 11-04-2021**

**Issue No: 04**

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)
Geo-technical	Soil	Soil penetration test	BS EN ISO 22476-3:2005+A1:2011	S
		Soil sampling	BS EN ISO 22476-3:2005+A1:2011	S
	Ground Water	Ground water level measurement	BS 5930:2015, Section 4, Cl. 26.2	S
		Ground water sampling	BS 5930:2015, Section 4 Cl. 26.4	S
	Soil & Rock	Soil and Rock description	ASTM D 2488-17e1	P / S
Chemical	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
		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
		pH of soil; Range: 0-14	BS 1377-3:2018 Cl. 12	P
	Water	pH of ground water; Range: 0-14	BS 1377-3:2018 Cl. 12	P
		Sulphate content of ground water	BS 1377-3:2018 Cl. 7.2, 7.6 & 7.8	P
		Chloride content of ground water	BS 1377-3:2018 Cl. 9.2	P

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Physical	Soil	Particle size distribution (gradation) of soils using sieve analysis	ASTM D 6913M-17	P	
	Soil & Rock	Determination of water (moisture) content of soils and rock by mass	ASTM D 2216-19	P	
	Soil	Liquid limit, plastic limit, and plasticity index of soils	ASTM D4318-17e1	P	
		Particle size analysis of soils by hydrometer	ASTM D 7928-17	P	
	Rock	Unconfined compressive strength of intact rock core specimens	ASTM D 7012-14 <sup>e1</sup> , method C	P	
		Rock quality designation (RQD) of rock cores	ASTM D 6032-17	P / S	
		Rock core drilling and sampling of rock for site investigation	BS 5930:2015, Section 4, Cl. 24	P / S	
		Preparing rock core as cylindrical test specimen and verifying conformance to dimensional and shape tolerances	ASTM 4543-19	P	
	Geo-technical	Reporting	Reporting soil reports	BS 5930:2015, Section 10, Cl. 63	P
	<b>END5</b>				