

Accreditation Scope

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

Al Mussafah, Abu Dhabi, UAE

Issue Date: 01-04-2021

Expiry Date: 31-03-2024

Issue No: 05

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Geo-technical	Soil	Standard Penetration Test (SPT)	BS 1377-9:1990 Cl. 3.3, AMD 8264:1995 (Partially replaced, Superseded)	S
		Soil sampling	BS 5930:2015 Section. 4, Cl. 25	S
	Ground Water	Ground water level measurement	BS 5930:2015 Section. 8, Cl. 52.2, 52.3	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	Preparing rock core as cylindrical test specimen and verifying conformance to dimensional and shape tolerances	ASTM 4543-19	P	
		Unconfined compressive strength of intact rock core specimens	ASTM D 7012-14 ^{e1} , 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. 25.7	P / S	
	Geo-technical	Reporting	Reporting soil reports	BS 5930:2015, Section 10, Cl. 63	P
	END				