

Accreditation Scope

Sands Laboratories for Soil Testing (NAL 149) Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah M3, Abu Dhabi, UAE

Issue Date: 07-10-2020

Expiry Date: 06-10-2023

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)
Geotechnical	Soil	Standard penetration test (SPT)	* BS 1377 part 9:1990 Cl. 3.3 AMD 8264:1995	S
		Soil Sampling	BS 5930:2015, Sec. 4, Cl. 25.4	
	Soil & Rock	Description of Soils	BS 5930:2015, Sec. 6, Cl. 33	S / P
		Rock Sampling Rotary core samples	BS 5930:2015, Sec. 4, Cl. 25.7	
	Rock	Description of Rocks	BS 5930:2015 Sec. 6, Cl. 36	S / P
		Rock Quality Designation (RQD) & Rock Core Recovery (RCR)	BS 5930:2015 Sec. 6, Cl. 36.4	
	Ground Water	Groundwater monitoring and sampling	BS 5930:2015, Sec. 4, Cl. 26	S
		Groundwater Measurements	BS 5930:2015 Sec. 8, Cl. 52	
	Soil	Particle size distribution of soil using sieve analysis	ASTM D 6913/ D6913M-17	P
		Particle size distribution of grained soil using hydrometer analysis	ASTM D 7928-17	
		Liquid limit, plastic limit, and plasticity index of Soils	ASTM D 4318-17 e1	
	Soil & Rock	Determination of water content of soil and rock by mass	ASTM D2216-19	P

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Geotechnical	Rock	Unconfined Compressive Strength of Rock Core Specimen	ASTM D 7012-14e1 Method C	P
		Preparation of rock core	ASTM D4543-19	
	Reporting	Reporting	BS 5930:2015, Sec. 10, Cl. 63	P
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 of soil	BS 1377-3:2018 Cl. 12	
		pH of ground water	BS 1377-3:2018 Cl. 12	
		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	
END				

* Standard is Superseded and Replaced.