

Accreditation Scope

Delma Laboratory for Soil & Construction Materials Inspection LLC (NAL 084)
Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah, Abu Dhabi, UAE

Issue Date: 08-07-2020

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)
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Geotechnical	Soil & Rock	Determination of the penetration resistance using the split-barrel sampler (Standard penetration test - SPT)	BS 1377 Part 9 :1990 – AMD 8264-1995, Cl. 3.3 <i>Superseded & Replaced</i>	S
		Soil and Rock Sampling	BS 5930:2015, Section 4, Cl. 25	P / S
		Description of Soils	BS 5930:2015, Section 6, Cl. 33	
		Description of Rocks	BS 5930:2015, Section 6, Cl. 36	
		Rock Quality Designation (RQD) and Rock Core Recovery (RCR)	BS 5930:2015, Section 6, Cl. 36.4	
	Ground Water	Groundwater measurements	BS 5930:2015, Section 4, Cl. 26.2 & 26.3	S
		Ground water monitoring Ground Water sampling	BS 5930:2015 Section 4 Cl. 26.4	
	Soil & Rock	Determination of Water (moisture) Content of Soil and Rock by Mass	ASTM D 2216-19	P
	Soil	Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D 4318-17 e1	P
		Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D 6913/D6913M-17	
		Particle-Size Analysis of Soils - Hydrometer	ASTM D422-63 (2007) e2 <i>Superseded</i>	

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Geotechnical	Rock	Preparation of Rock Core	ASTM D 4543-19	P
		Unconfined Compressive Strength of Rock Core Specimen	ASTM D7012-2014 e1, Method C	
Report	Ground Investigation	Code of practice for ground investigations - Reporting	BS 5930:2015 Section 10 Cl. 63	P
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	
		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	
Water	Water	pH of Ground Water	BS 1377-3:2018 Cl. 12	P
		Sulphate Content of Ground Water	BS 1377-3:2018 Cl. 7.2, 7.6 & 7.8	
		Chloride Content of Ground Water	BS 1377-3:2018 Cl. 9.2	
END				