

Accreditation Scope

Al Dana Engineering Laboratories (NAL 098) Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah, M37, Abu Dhabi, UAE

Issue Date: 24-06-2021

Expiry Date: 23-06-2024

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)
Geotechnical / Physical	Soil	Standard Penetration Test	BS 1377-9:1990; Cl 3.3 (Partially replaced, Superseded)	S
		Soil Sampling	BS 5930:2015; Section 4 Cl. 25.7,	
	Groundwater	Groundwater level Management	BS 5930:2015; Section 4 Cl. 26.1, 26.2 & 26.3	S
		Groundwater sampling	BS 5930:2015; Section 4 Cl. 26.4	
	Rock	Core recovery	BS 5930:2015; Section 6 Cl. 36	S
		Determining Rock Quality Designation (RQD) of Rock Core	BS 5930:2015; Section 6 Cl. 36	P / S
		Preparation of Rock Core	ASTM D 4543-2019	P
		Unconfined Compressive Strength	ASTM D 7012-14e1	
	Soil & Rock	Soil and Rock Description	BS 5930:2015; Cl. 33 & 36	P / S
		Moisture Content for Soil and Rock Sample	ASTM D 2216-2019	P
Determination of Water (Moisture) Content of Soil and Rock by Mass		BS EN ISO 17892-1:2014		
Geotechnical / Physical	Soil	Particle Size Distribution of Soil	ASTM D 6913M-17	P
		Particle Size Analysis of Soils by Hydrometer	ASTM D 7928-17	
		Determination of Liquid Limit, Plastic Limit, and Plasticity Index of Soils	BS EN ISO 17892- 12:2018, Cl. 5.4, 5.5 & 6.5	

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Chemical	Soil	Water soluble Sulphate content of soil	BS 1377-3:2018; Cl. 7.2, 7.3, 7.6	P
		Water soluble Chloride content of soil	BS 1377-3: 2018; Cl. 9.2	
		pH of soil	BS 1377-3:2018; Cl. 12	
		Acid soluble Sulphate content of soil	BS 1377- 3:2018; Cl. 7.2, 7.6, 7.9	
		Acid soluble Chloride content of soil	BS 1377-3:2018; Cl. 9.3	
	Ground Water	pH of groundwater	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	
	Soil Investigation	Reporting	BS 5930:2015; Section 10, Cl. 63	P
END				