

Accreditation Scope

**First Soil Testing Laboratory L.L.C, NAL 163
Testing Laboratory, (ISO/IEC 17025:2017)**

Mussafah, M17 – Abu Dhabi, UAE

Issue Date: 27-07-2021

Expiry Date: 26-07-2024

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 Investigation	Soil In - Situ Testing	Standard Penetration Test – (SPT)	BS 1377 part 9:1990 – AMD 8264:1995, Cl. 3.3 BS 5930:2015	S	
	Soil sampling & Description	Soil Sampling	BS 5930:2015, Section 4, Cl. 25.4	S	
		Description of Soils	BS 5930:2015; Section 6, Cl. 33		
	Groundwater Management	Groundwater Measurements and sampling	Groundwater Measurements	BS 5930:2015, Section 8, Cl. 52	S
			Groundwater monitoring and sampling	BS 5930:2015, Section 4, Cl. 26.4	
			Standpipe Piezometer	BS 5930:2015, Section 8, Cl. 52.5	
			Falling Head Permeability	BS 5930:1999, Section 4, Cl. 25.4	
	Rock Sampling & Description	Rock Sampling Rotary core samples	Description of Rocks	BS 5930:2015, Section 4, Cl. 25.7	P
			Description of Rocks	BS 5930:2015, Section 6, Cl. 36.4	
			Rock Quality Designation (RQD) & Rock Core Recovery (RCR)	BS 5930:2015, Section 6, Cl. 36.4	
Geotechnical	Rock	Preparation of rock core	ASTM D4543-19	P	
		Unconfined Compressive Strength of Rock Core Specimen	ASTM D7012-2014 e1, Method C	P	
		Water (Moisture) Content of Soil & Rock by Mass (Added as Required for Core Moisture as per ASTM)	ASTM D2216-2019	P	
		Point Load Strength Index of Rock and Application to Rock Strength Classifications	ASTM D 5731-08	P	

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Geotechnical	Soil	Particle Size Distribution	BS 1377-2:1990, AMD 9027-1996, Cl. 9.2 & 9.3	P
		Particle Size Distribution by Hydrometer Method	BS 1377-2:1990, AMD 9027-1996, Cl. 9.5	
		Determination of Liquid Limit Casagrande apparatus method	BS 1377-2:1990, AMD 9027-1996, Cl. 4.5,	
		Determination of Plastic Limit and Plasticity Index	BS 1377-2:1990, AMD 9027-1996, Cl. 5.3 & 5.4	
		Determination of Water (Moisture) Content of soil sample	BS 1377-2:1990, AMD 9027-1996, Cl. 3.2	
		Particle Density Small Pyknometer Method	BS 1377-2:1990, AMD 9027-1996, Cl. 8.3	
		Bulk & Dry Density Immersion in Water Method	BS 1377-2:1990, AMD 9027-1996, Cl. 7.3	
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 value of Soil	BS 1377-3:2018, Cl. 12	

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Chemical	Ground Water	pH value of Ground Water	BS 1377-3:2018, Cl. 12	P
		Sulphate Content of Water	BS 1377-3:2018, Cl. 7.2, 7.6 & 7.8	
		Chloride Content of Water	BS 1377-3:2018, Cl. 9.2	
Geotechnical	Reporting	Reporting	BS 5930:2015, Section 10, Cl. 63	P
END				