

Accreditation Scope

**Phoenix Soil Testing Laboratory – Sole Proprietorship L.L.C, NAL 158
Testing Laboratory, (ISO/IEC 17025:2017)**

Industrial Area, Al Safrah, Road 11 – Al Ain, UAE

Issue Date: 23-05-2021

Expiry Date: 22-05-2024

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	Soil	Soil Penetration Test (SPT)	* BS 1377-9:1990, Cl. 3.3	S
		Soil Sampling	BS 5930:2015, Cl. 25.0	
		Rotary core drilling	BS 5930:2015, Section 4	
	Ground Water	Ground Water Level Measurement	BS 5930:2015, Cl. 26.2, 26.3 & 52	
		Ground Water Sampling	BS 5930:2015, Cl. 26.4	
Soil	Soil and Rock Description	BS 5930:2015, Cl. 33 & Cl. 36 (Clark and Walker)	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	
	Ground Water	pH of Ground Water	BS 1377-3:2018, Cl. 12	P
		Sulphate Content of Ground Water	BS 1377-3:2018, Cl. 7.2, 7.8, 7.6	
Chloride Content of Ground Water		BS 1377-3:2018, Cl. 9.2		

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Physical	Soil	Particle Size Distribution	BS EN ISO 17892- 4:2016, Cl. 5.2	P
		Determination of Water (Moisture) Content of Soil and Rock by Mass	BS EN ISO 17892- 1:2014	
		Hydrometer	BS EN ISO 17892- 4:2016, Cl. 5.3	
		Liquid limit, plastic limit, and plasticity index of Soils	ASTM D4318-17e1	
	Soil Rock	Determination of water (moisture) content of soil and rock by mass	ASTM D 2216-19	
	Rock	Unconfined compression test, RoM: 0 to 200 kN	ASTM D 7012 -14e1	
Geotechnical	Rock	Rock quality designation	BS 5930:2015 Cl. 36.4	P
	Soil Rock	Core recovery	BS 5930:2015 Cl.36.4	
	Core Test	Reporting	BS 5930:2015, Section 10	
Physical	Rock	Preparation of rock core	ASTM D4543-19	P
	Soil	Laboratory compaction characteristic of soil using modified effort (MDD/OMC)	ASTM D 1557 - 12e1	P
	Soil	Method for Density and Unit Weight of Soil in Place by Sand- Cone Method	ASTM D 1556/D1556M- 2015	S

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Physical	Concrete	Shape, dimensions and other requirements for specimens and moulds	BS EN 12390-1:2012	P
		Making and curing specimens for strength tests	BS EN 12390-2:2019	P
		Compressive strength of test specimens, RoM: 2000 kN	BS EN 12390-3:2019	P
		Density of hardened concrete	BS EN 12390-7:2019	P
END				

* Standard is superseded.