

Accreditation Scope

Arab Geotech for Soil Investigation LLC (NAL 083)
Testing Laboratory, (ISO/IEC 17025:2017)

Al Mussafah, Abu Dhabi, UAE

Issue Date: 19-08-2020

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)
Geotechnical	Soil	Soil Penetration Test	BS 1377-9:1990 Cl 3.3 (Partially replaced, Superseded)	S
		Soil Sampling	BS 5930:2015	
	Water	Ground water level management	BS 5930:2015; Cl 23.1 to 23.2.3 / Stand pipe piezometer	S
		Ground water sampling	BS 5930:2015 Cl 23.3	
	Soil & Rock	Soil & Rock description	BS 5930:2015	P / S
		Classification of Soils	ASTM D2487-17e1	
		Determination of water (moisture) content of soil and rock by mass	ASTM D 2216-19	P
	Soil	Particle size distribution	ASTM D 422-63 (2007); (Withdrawn)	P
		Liquid limit, Plastic limit and plasticity index of Soils	BS 1377-2:1990; Cl. 4.5 Casagrande Method BS 1377-2:1990; Cl. 5.3 & 5.4	
		Hydrometer method	BS 1377-2:1990 Cl. 9.5 (Partially replaced, Superseded)	
	Rock	Rock quality designation	BS 5930:2015	P / S
		Core Recovery	BS 5930:2015	
		Preparation of rock core	ASTM D 4543-19	P
		Unconfined Compression Strength	ASTM D7012-14e1	
	N/A	Reporting	BS 5930:2015	P

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Chemical	Soil	Acid soluble sulphate content of soil	BS 1377-3:2018; CI 7.2, 7.6, 7.9	P
		Water soluble sulphate content of soil	BS 1377-3:2018; CI 7.2, 7.3, 7.6	
		Acid soluble chloride content of soil	BS 1377-3:2018; CI 9.3	
		Water soluble chloride content of soil	BS 1377-3:2018; CI 9.2	
		pH of soil	BS 1377-3:2018; CI 12	
	Water	pH of ground water	BS 1377-3:2018; CI 12	P
		Sulphate content of ground water	BS 1377-3:2018; CI 7.2, 7.6, 7.8	
Chloride content of ground water		BS 1377-3:2018; CI 9.2		
Physical	Sand	In-situ Density by Sand Replacement Method	ASTM D 1556/D 1556-15e1	S
	Hardened Concrete	Shape, dimensions and other requirements for specimens and molds	BS EN 12390-1:2012	P
		Making and curing specimens for strength tests	BS EN 12390-2:2019	
		Compressive strength of test specimens	BS EN 12390-3:2019	
		Density of hardened concrete	BS EN 12390-7:2019	
		Precast concrete paving blocks Measurement of dimension and plan area	BS 6717-1:1993 Annex A	
Precast concrete paving blocks Determination of compressive strength	BS 6717-1:1993 Annex B			

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Physical	Hardened Concrete	Precast concrete masonry units Measurement of dimension	BS 6073-1 :1983 Appendix A (AMD 4462-84)	P
		Precast concrete masonry units Compressive strength	BS 6073-2:1983 Appendix B (AMD 4508-84)	
		Water Absorption of Concrete	BS 1881-122:2011	
		Water Permeability of Concrete	DIN 1048-5:1991	
	Aggregate	Determination of particle shape. Flakiness index	BS EN 933-3:2012	P
		Flakiness Index	BS 812-105.1:1989	
		Elongation Index	BS 812-105.2:1990	
		Particle Size Distribution (PSD)	BS EN 933-1-2012	
END				