



Accreditation Scope

Baynunah Laboratories – Sole Proprietorship L.L.C, NAL 082 Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah, Abu Dhabi, UAE

Issue Date: 14-10-2022

Expiry Date: 28-01-2024

Issue No: 06

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 Investigation	Geotechnical investigation and testing — Field Testing Standard penetration test (SPT)	BS EN ISO 22476-3:2005+A1:2011	S
		Soil and Rock Sampling	BS 5930:2015, Section 4, Cl. 25	P / S
		Description of Soils	BS 5930:2015, Section 6, Cl. 33	P / S
		Description of Rocks	BS 5930:2015, Section 6, Cl. 36	P / S
	Soil	Determination of Particle Size Analysis of soil	ASTM D 422-63 (Reapproved-2007)	P
		Particle-Size distribution (Gradation) of Soils using Sieve Analysis	ASTM D6913/D6913M:17	P
		Determination of Particle Size Analysis of soil (by Hydrometer Method)	ASTM D 422-63 (Reapproved-2007)	P
		Particle-Size distribution (Gradation) of fine-grained soils using the sedimentation (Hydrometer) Analysis	ASTM D7928-21	P
		Determination of the Liquid Limit (LL), Plastic Limit (LP) & Plasticity Index (PI) of Soil	BS 1377-2:1990, Cl. 4.3 & 5, AMD 9027 :1996 BS EN ISO 17892-12:2018, CL. 5.3, CL. 5.5 & CL. 6.5	P
		Determination of Water content of soil by mass	BS 1377-2:1990, Cl.3, AMD 9027:1996 BS EN ISO 17892-1:2014	P
	Soil Investigation	Rock Quality Designation (RQD) and Rock Core Recovery (RCR)	BS 5930:2015, Section 6, Cl. 36.4	P / S



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Geotechnical	Soil Investigation	Ground Water Level Measurement	BS 5930:2015, Section 4, Cl. 26.2-26.5	S
		Ground Water Sampling	BS 5930:2015, Section 4, Cl. 26.4	S
	Rock	Unconfined Compression Strength of Intact Rock Core Specimens Test	ASTM D 7012:2014 e1 (Method C)	P
	Rock	Preparing rock core and verifying conformance to dimensional and shape tolerances	ASTM D 4543:2019	P
		Determination of Water content of soil & rock by mass	ASTM D 2216:2019	P
Chemical	Soil	pH Value of Soil	BS 1377-3:2018, Cl.12	P
		Acid Soluble Chloride Content of Soil	BS 1377-3:2018, Cl. 9.3	P
		Water Soluble Chloride Content of Soil	BS 1377-3:2018, Cl. 9.2	P
		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	P
	Ground Water	Determination of pH Value of Groundwater	BS 1377-3:2018, Cl.12	P
		Determination of Chloride Content of Ground Water	BS 1377-3:2018, Cl. 9.2	P
		Determination of Sulphate Content of Ground Water	BS 1377-3:2018, Cl. 7.2, 7.6, 7.8	P
Geotechnical	Ground Investigation	Reporting	BS 5930:2015, Section 10, Cl. 63	P



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Physical	Soil	Determination of In-Place Density Test by Sand Replacement Method Suitable for Fine & Medium Grained Soils (Small & Large Pouring Cylinder)	BS 1377-9:1990, CL 2.1 & CL 2.2 AMD 8264:1995	P
		Determination of California Bearing Ratio (CBR)	BS 1377-4:1990, Cl.7, AMD 13925: 2002	P
		Determination of Dry Density / Moisture Content Relationship Using 4.5 kg Rammer for Course & Medium Gravel Size Particles	BS 1377-4:1990, Cl. 3.5 & 3.6 AMD 13925:2002	P
	Concrete	Testing hardened concrete. Shape, dimensions and other requirements for specimens and molds	BS EN 12390-1:2012	P
		Making Curing Specimens for Strength Tests	BS EN 12390-2:2019	P
		Determination of Compressive Strength of Concrete Cube	BS EN 12390-3:2019	P
		Density of Concrete Cubes (Volume of Calculation)	BS EN 12390-7:2019	P
	END			