



Accreditation Scope

Al Madeena Laboratory Soil & Materials Testing LLC (NAL 191) Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah South, ICAD 3, Abu Dhabi, UAE

Issue Date: 10-10-2022

Expiry Date: 09-10-2025

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 Ground Investigation	Geotechnical Ground Investigation	Determination of the penetration resistance using the split-barrel sampler (the standard penetration test SPT)	BS 1377-9:1990, AMD.8264/1995 Clause 3.3	S
		Geotechnical investigation and testing — Field Testing Standard penetration test (SPT)	BS 5930:2015	
	Soil	Soil Sampling	BS 5930:2015, Section 4, Clause 25.6	S
		Soil Description	BS 5930:2015, Section 6, Clause 33	S
	Ground Water	Ground Water Level Measurement	BS 5930:2015, Section 4, Clause 26.1 to 26.3 & Section 8, Clause 52.5	S
		Ground Water Sampling	BS 5930:2015, Section 4, Clause 26.4	S
	Rock	Rock Sampling- Total Core Recovery (TCR)	BS 5930:2015, Section 4, Clause 25.7	S
		Description of Rocks	BS 5930:2015, Section 6, Clause 36	S / P
		Rock Quality Designation (RQD)	BS 5930:2015, Section 6, Clause 36.4	S / P
		Preparing Rock Core Cylindrical Test Specimens	ASTM D4543-19	P
		Unconfined Compressive Strength	ASTM D 7012 -14e1	P
	Soil	Particle size distribution – Sieve Analysis	BS EN ISO 17892 -4:2016 Clause 4.2,5.2 & 6	P
		Particle-Size Distribution (Gradation) Of Fine-Grained Soils Sedimentation (Hydrometer) Analysis	BS EN ISO 17892-4:2016 Clause 5.3 & 6.2	P



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Geotechnical Ground Investigation	Soil	Liquid limit by the Fall Cone Method	BS EN ISO 17892-12:2018 Clause 6.2	P
		Plastic limit & Plasticity Index	BS EN ISO 17892-12:2018 Clause 6.4 & 6.5	P
		Determination of Water (Moisture) Content of Soil sample	BS EN ISO 17892-1:2014	P
		Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216-2019	P
Chemical	Soil	Determination of pH value of Soil	BS 1377-3:2018: +A1:2021, Clause 12	P
		Determination of the Sulfate Content of Soil (Water Extract)	BS 1377-3:2018: +A1:2021 Clause 7.3 / 7.6	P
		Determination of the Sulfate Content of Soil (Acid Extract)	BS 1377-3:2018: +A1:2021 Clause 7.9 / 7.6	P
		Determination of the Chloride Content of Soil (Water Extract)	BS 1377-3:2018: +A1:2021; Clause 9.2	P
		Determination of the Chloride Content of Soil (Acid Extract)	BS 1377-3:2018: +A1:2021 Clause 9.3	P
	Ground Water	Determination of the Sulfate Content of Ground Water	BS 1377-3:2018: +A1:2021 Clause 7.8 / 7.6	P
		Determination of the Chloride Content of Ground Water	BS 1377-3:2018: +A1:2021; Clause 9.2	P
Determination of the pH value		BS 1377-3:2018: +A1:2021; Clause 12	P	
Geotechnical Ground Investigation	Report	Reporting	BS 5930:2015, Section 10, Clause 63	P



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Construction Material Testing	Soil	Dry density - moisture content relationship of soil with medium sized gravel	BS 1377-4:1990, AMD. No. 13925-2002, Clause 3.5	P
		Dry density- moisture content relationship of soil with coarse sized gravel	BS 1377-4:1990, AMD. No. 13925-2002, Clause 3.6	P
		Sand replacement method suitable for fine-, medium- and coarse-grained soils (large pouring cylinder method)	BS 1377-9: 1990, AMD. No. 8264-1995, Clause 2.2	S
		Determination of Water (Moisture) Content of soil sample	BS 1377 Part 2:1990, AMD 9027-1996, Clause 3.2	P
	Hardened Concrete	Testing hardened concrete-Shape, dimensions and other requirements for specimens and molds	BS EN 12390-1:2021	P
		Material Testing hardened concrete making and curing specimens for strength tests	BS EN 12390-2:2019	P
		Density of hardened concrete	BS EN 12390-7:2019	P
		Compressive Strength of test specimens	BS EN 12390-3:2019	P
END				