



Accreditation Scope

FALCON LABORATORY - L.L.C - O.P.C, NAL 239
Testing Laboratory, (ISO/IEC 17025:2017)

Store No.:01, Plot No: 08- Musaffah- Mussafah 32/1 - Abu Dhabi, Abu Dhabi, United Arab Emirates

Issue Date: 02/09/2025

Expiry Date: 01/09/2028

Issue No: 1

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	Standard Penetration Test using the Split- Barrel Sampler (SPT)	BS 1377:P-9: CL 3.3-1990: AMD 8264-1995	S
Geotechnical	Soil, Rock	Soil & Rock Sampling	BS 5930:2015+A1:2020, Clause 25	S
Geotechnical	Soil	Light cable percussion boring	BS 5930:2015+A1:2020 - Clause 24.9	S
Geotechnical	Rock, Soil and Rock	Rotary core Drilling	BS 5930:2015+A1:2020 - Sec. 4 Cl. 24.11 & 25.7	S
Geotechnical	Rock, Soil and Rock	Description of soil & rock cores	BS 5930:2015+A1:2020 -Cl.33 and 36, Clark and Walker	P/S

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Geotechnical	Rock, Soil and Rock	Soil and rock quality designation	BS 5930:2015+A1:2020 - Section 6, Clause:36.4.4	P/S
Geotechnical	Rock	Core recovery	BS 5930:2015+A1:2020 - Section 6, Clause:36.4.4	P/S
Geotechnical	Ground Water	Ground water level measurement.	BS 5930:2015+A1:2020 - Section 8 Clause 52.1, 52.2, 52.3, 52.4	S
Geotechnical	Ground Water	Ground water sampling.	BS 5930:2015+A1:2020 - Section 4 Clause:26.4	S
Geotechnical	Geotechnical Investigation	Reporting	BS 5930:2015+A1:2020 - Section 10	P
Geotechnical	Rock	Unconfined Compressive Strength	ASTM D7012-2023	P
Geotechnical	Rock	Preparing Rock Core	ASTM D4543-2019	P

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Geotechnical	Rock, Soil and Rock	Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216-2019	P
Geotechnical	Soil	Determination of Water (Moisture) Content of Soil by Mass	BS 1377-2:2022, Clause.4,1	P
Geotechnical	Soil	Determination of In-Situ Density by Sand Replacement Method	BS 1377:P-9: CI 2.2 AMD 8264-1990	P
Geotechnical	Rock, Soil and Rock	Determination of water content	BS EN ISO 17892-1:2014+A1:2022	P
Geotechnical	Soil	Determination of Dry Density Moisture Content Relationship	BS 1377-2:2022, Clause 11.5 & 11.6	P
Geotechnical	Soil	Determination of particle size distribution	BS EN 17892-4:2016, Clause 5.2	P
Geotechnical	Soil	Determination of particle size distribution by hydrometer method	BS EN 17892-4:2016, Clause 5.3	P
Geotechnical	Soil	Determination of liquid and plastic limits	BS EN ISO 17892-12:2018+A2:2022	P

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Chemical	Soil	Water Soluble Chloride	BS 1377-3:2018+A1:2021 Clause 9.2	P
Chemical	Soil	Water Soluble Sulphate	BS 1377-3:2018+A1:2021 Clause 7.2, 7.3, 7.6	P
Chemical	Soil	pH of Soil Suspension	BS 1377-3:2018+A1:2021 Clause 12	P
Chemical	Soil	Acid Soluble Chloride	BS 1377-3:2018+A1:2021 Clause 9.3	P
Chemical	Soil	Acid Soluble Sulphate	BS 1377-3:2018+A1:2021 Clause 7.2, 7.6, 7.9	P
Chemical	Ground Water	Chloride of Ground Water	BS 1377-3:2018+A1:2021 Clause 9.2	P
Chemical	Ground Water	Sulphate of Ground Water	BS 1377-3:2018+A1:2021 Clause 7.2, 7.6, 7.8	P
Chemical	Ground Water	pH of Ground Water	BS 1377-3:2018+A1:2021 Clause 12	P
Construction materials and building	Concrete	Compressive Strength of Concrete Cube	BS EN 12390-3:2019	P

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Construction materials and building	Concrete	Density of Concrete Cube	BS EN 12390-7:2019	P
Construction materials and building	Concrete	Making and Curing of Concrete Cube	BS EN 12390-2:2019	P
Construction materials and building	Concrete	Shape and Dimension of Concrete Cube	BS EN 12390-1:2021	P
Geophysical	Soil	Multichannel Analysis of Surface Waves (MASW)	In-House Protocol FA-SOP-001	S
END				

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