



Accreditation Scope

Basalt Laboratories For Soil Testing, NAL 117
Testing Laboratory, (ISO/IEC 17025:2017)

Abu Dhabi, Mussafah, M17 Plot 23 Building 1, Abu Dhabi, United Arab Emirates

Issue Date: 18/03/2026

Expiry Date: 10/03/2029

Issue No: 8

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 (SPT) Geotechnical investigation and testing — Field Testing Standard penetration test (SPT)	* BS 1377-9:1990 Cl. 3.3 AMD 8264:1995, BS 5930:2015 +A1: 2020	S
Geotechnical	Rocks	Soil Sampling	BS 5930:2015 +A1: 2020 Section 4, Cl. 25.4	S
Geotechnical	Rocks	Description of Soils	BS 5930:2015 +A1: 2020 Section 6, Cl. 33	P / S
Geotechnical	Rocks	Rock Sampling Rotary core samples	BS 5930:2015 +A1: 2020 Section 4, Cl. 25.7	S
Geotechnical	Rocks	Description of Rocks	BS 5930:2015 +A1: 2020 Section 6, Cl. 36	P / S

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Geotechnical	Rocks	Rock Quality Designation (RQD) & Rock Core Recovery (RCR)	BS 5930:2015 +A1: 2020 Section 6, Cl. 36.4	S/P
Geotechnical	Rocks	Preparing Rock Core Cylindrical Test Specimens	ASTM D4543-19	P
Geotechnical	Rocks	Unconfined compression test,	ASTM D7012 - 23	P
Geotechnical	Rocks	Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216-2019	P
Geotechnical	Ground Water	Groundwater monitoring and sampling	BS 5930:2015 +A1: 2020 Section 4, Cl. 26	S
Geotechnical	Ground Water	Groundwater Measurements	BS 5930:2015 +A1: 2020 Section 4, Cl. 26.2, 26.3 & Section 8,	S
Geotechnical	Ground Water	Groundwater Measurements (Standpipe Piezometer)	BS 5930:2015 +A1: 2020 Section 4, Cl. 52.5	S
Geotechnical	Soil	Particle Size Distribution – Sieving Method	BS 1377 – 2: 2022 Cls 10/BS EN ISO 17892-4:2016	P

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Geotechnical	Soil	Liquid limit - Casagrande Apparatus method	BS 1377 – 2: 2022 Cls 5.4, 5.5/BS EN ISO 17892-12:2018+A2: 2022 Cl.5.4	P
Geotechnical	Soil	Plastic Limit and Plasticity Index	BS 1377 – 2: 2022 Cls 6/BS EN ISO 17892-12:2018+A2: 2022 Cl.5.5	P
Geotechnical	Soil	Particle size distribution of soil using sieve analysis	ASTM D 6913/ D6913M17 -17 (2025)	P
Geotechnical	Soil	Particle size distribution of grained soil using hydrometer analysis	ASTM D 7928-21E1	P
Geotechnical	Soil	Determination of Water (Moisture) Content of soil sample	BS 1377-2:1990, AMD 9027- 1996, Cl. 3.2/BS EN ISO 17892-1:2014	P
Geotechnical	Reporting	Ground Investigation - Reporting	BS 5930:2015 +A1: 2020 Section 10 – Cl. 63	P
Geotechnical	Engineering Soils	Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D1556 / D1556M-24	P

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Geotechnical	Engineering Soils	Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))	ASTM D1557 – 12 (2021)	P
Physical	Hardened Concrete	Testing hardened concrete- Shape, dimensions and other requirements for specimens and molds	BS EN 12390-1:2021	P
Physical	Hardened Concrete	Material Testing hardened concrete making and curing specimens for strength tests	BS EN 12390-2:2019	P
Physical	Hardened Concrete	Density of hardened concrete	BS EN 12390-7:2019	P
Physical	Hardened Concrete	Compressive Strength of test specimens	BS EN 12390-3:2019	P
Geotechnical	Soil	Water Soluble Sulphate Content of Soil	BS 1377-3:2018+A1:2021 Cl.7.2, 7.3 & 7.6	P
Geotechnical	Soil	Acid Soluble Sulphate Content of Soil	BS 1377-3:2018+A1:2021 Cl. 7.2, 7.9 & 7.6	P

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Geotechnical	Soil	Water Soluble Chloride Content of Soil	BS 1377-3:2018+A1:2021 Cl. 9.2	P
Geotechnical	Soil	Acid Soluble Chloride Content of Soil	BS 1377-3:2018+A1:2021 Cl.9.3	P
Geotechnical	Soil	pH value of Soil	BS 1377-3:2018+A1:2021 Cl.12	P
Geotechnical	Ground water	Sulphate Content of Ground Water	BS 1377-3:2018+A1:2021 Cl. 7.2, 7.8 & 7.6	P
Geotechnical	Ground water	Chloride Content of Ground Water	BS 1377-3:2018+A1:2021 Cl. 9.2	P
Geotechnical	Ground water	pH Value of Ground Water	BS 1377-3:2018+A1:2021 Cl. 12	P

END

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