



# Accreditation Scope

Baynunah Laboratories - Sole Proprietorship LLC, NAL 082  
Testing Laboratory, (ISO/IEC 17025:2017)

12th Street, M 25, Mussafah, Abu Dhabi, Abu Dhabi, United Arab Emirates

Issue Date: 11/01/2024  
Issue No: 7

Expiry Date: 28/01/2027

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)
Construction materials and building	Soil	Particle-Size distribution (Gradation) of Soils using Sieve Analysis	ASTM D6913/D6913M:17	P
Construction materials and building	Soil	Particle-Size distribution (Gradation) of fine- grained soils using the Sedimentation (Hydrometer) Analysis	ASTM D7928-21	P
Construction materials and building	Soil	Determination of Particle Size Analysis of soil (Sieve)	ASTM D 422-63 (Reapproved-2007)	P
Construction materials and building	Soil	Determination of Particle Size Analysis of soil (by Hydrometer Method)	ASTM D 422-63- (Reapproved-2007)	P
Construction materials and building	Soil	Determination of Particle Size Distribution by Wet Sieving Method	BS 1377-2: 1990 (Amd 9027: 96), Cl. 9.2	P

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Construction materials and building	Soil	Determination of Particle Size Distribution by Dry Sieving Method	BS 1377-2: 1990 (Amd 9027: 96), Cl. 9.3	P
Construction materials and building	Soil	Determination of Particle Size Distribution by Hydrometer Method	BS 1377-2: 1990 (Amd 9027: 96), Cl. 9.5	P
Construction materials and building	Soil	Determination of Particle Size Distribution by Sieving Method	BS EN ISO 17892-4: 2016 Cl. 5.2	P
Construction materials and building	Soil	Determination of Particle Size Distribution by Hydrometer Method	BS EN ISO 17892-4: 2016, Cl 5.3	P
Construction materials and building	Soil	Determination of the Liquid Limit (LL), Plastic Limit (PL) & Plasticity Index (PI)	BS EN ISO 17892-12:2018, Cl. 5.3, Cl. 5.5 & Cl. 6.5	P
Construction materials and building	Soil	Determination of the Liquid Limit (LL), Plastic Limit (PL) & Plasticity Index (PI)	BS 1377-2:1990, Cl. 4.3 & 5, AMD 9027 :1996	P
Construction materials and building	Soil	Shrinkage Characteristics of Soil by Linear Method	BS 1377-2: 1990 AMD 9027: 1996 Method 6.5	P

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Construction materials and building	Soil	Determination of Water content of soil by mass	BS 1377-2:1990, CI.3, AMD 9027:1996	P
Construction materials and building	Soil	Determination of Water content of soil by mass	BS EN ISO 17892-1:2014	P
Construction materials and building	Soil/Rock	Determination of Water content of soil & rock by mass	ASTM D 2216:2019	P
Construction materials and building	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, CI 2.1 & CI 2.2 AMD 8264:1995	S
Construction materials and building	Soil	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D1556/D1556M-15 ε1	S

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Construction materials and building	Soil	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
Construction materials and building	Soil	Standard Test Methods For Laboratory Compaction Characteristics Of Soil Using Modified Effort	ASTM D1557-12 ε1	P
Construction materials and building	Soil	Determination of California Bearing Ratio (CBR)	BS 1377-4:1990, Cl.7, AMD 13925: 2002	P
Construction materials and building	Soil	California Bearing Ration (CBR) of Laboratory-Compacted Soils	ASTM D1883: 2016	P
Construction materials and building	Hardened Concrete	Testing hardened concrete Shape, dimensions and other requirements for specimens and molds	BS EN 12390-1:2021	P

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Construction materials and building	Hardened Concrete	Making Curing Specimens for Strength Tests	BS EN 12390-2:2019	P
Construction materials and building	Hardened Concrete	Determination of Compressive Strength Of Concrete Cube	BS EN 12390-3:2019	P
Construction materials and building	Hardened Concrete	Density of Concrete Cubes	BS EN 12390-7:2019	P
Construction materials and building	Hardened Concrete	Water Permeability of Concrete cube	DIN 1048-5:1991	P
Construction materials and building	Hardened Concrete	Depth of Penetration of Water Under Pressure	BS EN 12390-8:2019	P
Construction materials and building	Hardened Concrete	Determination of Water Absorption	BS 1881-122+A1:2020	P
Construction materials and building	Aggregates	Determination of Particle Size Distribution	BS 812-103.1: 1985	P
Construction materials and building	Aggregates	Sieve Analysis of Fine & Coarse Aggregate	ASTM 136/C136M: 2019	P
Construction materials and building	Aggregates	Material Finer Than 75µm Sieve in Mineral Aggregate by Washing	ASTMC117: 2017	P

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Construction materials and building	Aggregates	Determination of Moisture Content	BS 812-109: 1990	P
Construction materials and building	Aggregates	Relative Density (Specific Gravity) and Absorption of Aggregate	BS 812-Part 2:1995: AMD 10379:1999. Cl.5	P
Construction materials and building	Aggregates	Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	ASTM C127: 2015	P
Construction materials and building	Aggregates	Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128: 2015	P
Construction materials and building	Aggregates	Aggregate Impact Value	BS 812-112: 1990	P
Construction materials and building	Aggregates	Resistance to Degradation of Small Size Coarse Aggregate by Abrasion & Impact in Los Angeles Machine	ASTM C131/131M: 2014	P
Chemical	Soil	pH Value of Soil	BS 1377-3:2018+A1:2021, Cl.12	P

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Chemical	Soil	Acid Soluble Chloride Content	BS 1377-3:2018+A1:2021, Cl. 9.3	P
Chemical	Soil	Water Soluble Chloride Content	BS 1377-3:2018+A1:2021, Cl. 9.2	P
Chemical	Soil	Acid Soluble Sulphate Content	BS 1377-3:2018+A1:2021, Cl. 7.2, 7.6, 7.9	P
Chemical	Soil	Water Soluble Sulphate Content	BS 1377-3:2018+A1:2021, Cl. 7.2, 7.3, 7.6	P
Chemical	Soil	Soluble Salt Determination	Earth Manual Des.E8	P
Chemical	Soil	Determination Carbonate Content	BS 1377 – 3: 2018+A1:2021 Cl. 8.3	P
Chemical	Soil	Determination of Organic Matter Content	BS 1377 – 3: 2018+A1:2021 Cl. 4	P
Chemical	Ground Water	Determination of pH Value	BS 1377-3:2018+A1:2021, Cl.12	P
Chemical	Ground Water	Determination of Chloride Content	BS 1377-3:2018+A1:2021, Cl. 9.2	P

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Chemical	Ground Water	Determination of Sulphate Content	BS 1377-3:2018+A1:2021, Cl. 7.2, 7.6, 7.8	P
Chemical	Ground Water	Total Dissolved Solid (TDS)	BS 1377 Part 3: 2018+A1:2021 Method 11	P
Geotechnical	Soil & Rock	Sampling	BS 5930:2015, Section 4, Cl. 25	S
Geotechnical	Soil & Rock	Description of Soil	BS 5930:2015, Section 4, Cl. 33	P/S
Geotechnical	Soil & Rock	Description of Rocks	BS 5930:2015, Section 4, Cl. 36	P/S
Geotechnical	Soil & Rock	Rock Quality Designation (RQD) and Rock Core Recovery (RCR)	BS 5930:2015, Section 6, Cl. 36.4	P/S
Geotechnical	Soil	Geotechnical investigation and testing — Field Testing Standard penetration test (SPT)	BS EN ISO 22476-3:2005+A1:2011	S
Geotechnical	Soil	Electrical cone and piezocone penetration Test (CPT)	BS EN ISO 22476-1:2012	S

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Geotechnical	Ground Water	Ground Water Level Measurement	BS 5930:2015, Section 4, Cl. 26.2-26.5	S
Geotechnical	Ground Water	Ground Water Sampling	BS 5930:2015, Section 4, Cl. 26.4	S
Geotechnical	Rock	Preparing rock core and verifying conformance to dimensional and shape tolerances	ASTM D 4543:2019	P
Geotechnical	Rock	Unconfined Compression Strength of Intact Rock Core Specimens Test	ASTM D 7012:2014 e1 (Method C)	P
Geotechnical	N/A	Geotechnical Reporting	BS 5930:2015, Section 10, Cl. 63.	P
Physical/ Mechanical	Deep Foundations (Piling)	Low Strain Impact Integrity Testing of Deep Foundations	ASTM D 5882 -16	S
Physical/ Mechanical	Deep Foundations (Piling)	Integrity Testing of Concrete Deep Foundations by Ultrasonic Cross hole Testing	ASTM D 6760-16	S
<b>END</b>				

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