



Accreditation Scope

Jacob Independent Building Material Testing Lab LLC, NAL 220
Testing Laboratory, (ISO/IEC 17025:2017)

Abu Dhabi - Plot No. 13 Al Noud, Wadi Al Ain 1, 13 Warehouse No.7 - Al Noud Wadi Al Ain 1, Abu Dhabi,
United Arab Emirates

Issue Date: 06/09/2024

Expiry Date: 05/09/2027

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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	Aggregate	Flat particle elongated particle	ASTM D4791-19	P
Construction materials and building	Aggregate	Specific Gravity and Absorption of fine Aggregate	AASHTO T 84- 13(2021)	P
Construction materials and building	Aggregate	Clay Lumps and Friable Particles in Aggregate	AASHTO T 112-21	P
Construction materials and building	Aggregate	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	AASHTO T 11-20	P
Construction materials and building	Aggregate	Percentage of Fracture in Coarse Aggregate	AASHTO T 335-09 (2018)	P
Construction materials and building	Aggregate	Aggregate -Particle Size Distribution	BS EN 933-1:2012	P
Construction materials and building	Aggregate	Aggregate -Particle Density and Water Absorption	BS EN 1097-6:2013	P

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Construction materials and building	Aggregate	Sieve Analysis of Fine and Coarse Aggregates	AASHTO T 27-20	P
Construction materials and building	Aggregate	Bulk Density	BS 812-2:1995	P
Construction materials and building	Aggregate	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	AASHTO T 104-99 (2020)	P
Construction materials and building	Aggregate	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	AASHTO T 176-17(2021)	P
Construction materials and building	Aggregate	Aggregate -Los Angeles Abrasion	AASHTO T 96-02(2019)	P
Construction materials and building	Aggregate	Specific Gravity and Absorption of Coarse Aggregate	AASHTO T 85-21	P
Construction materials and building	Aggregate	Aggregate -Clay Silt & Dust	BS EN 933-1:2012	P
Construction materials and building	Aggregate	Aggregate -Flakiness Index	BS EN 933-3:2012	P
Construction materials and building	Aggregate	Aggregate -Shell Content	BS EN 933-7:1998	P

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Construction materials and building	Aggregate	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88/C88M-18	P
Construction materials and building	Aggregate	Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	ASTM C127-15	P
Construction materials and building	Aggregate	Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128-15	P
Construction materials and building	Aggregate	Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/C136M-19	P
Construction materials and building	Aggregate	Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419-14	P
Construction materials and building	Aggregate	Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M-20	P
Construction materials and building	Aggregate	Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535-16	P

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Construction materials and building	Aggregate	Aggregate -Flakiness Index	BS 812-105.1:1989	P
Construction materials and building	Aggregate	Aggregate - Elongation Index	BS 812-105.2:1990	P
Construction materials and building	Aggregate	Shell Content	BS 812-106:1985	P
Construction materials and building	Aggregate	Light Weight Particles	ASTM C123/C123M-23	P
Construction materials and building	Asphalt	Determination of particle density of filler	BS 812-2:1995 Cls 5.7	P
Construction materials and building	Asphalt	Sieve Test	AASHTO T 37-07(2020)	P
Construction materials and building	Asphalt	Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures	ASTM D2726/D2726M-21	P
Construction materials and building	Asphalt	Degree of compaction	AASHTO T 230-68(2000)	P
Construction materials and building	Asphalt	Stability and Flow	AASHTO T 245-22	P
Construction materials and building	Asphalt	GMB (Density)	AASHTO T 166-22	P

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Construction materials and building	Asphalt	Thickness or Height of Compacted Asphalt Mixture Specimens	ASTM D3549/D3549M-18	P
Construction materials and building	Asphalt	Preparation of Asphalt Mixture Specimens using Marshall Apparatus	ASTM D6926-20	P
Construction materials and building	Asphalt	Marshall Stability and Flow of Asphalt Mixtures	ASTM D6927-15	P
Construction materials and building	Asphalt	Computation of voids in compacted bituminous paving mixture	DMS 009:2001 (R2007)	P
Construction materials and building	Asphalt	Extraction Bitumen Content	AASHTO T 164-22	P
Construction materials and building	Asphalt	Mechanical Analysis (Grading)	AASHTO T 30-2021	P
Construction materials and building	Asphalt	Asphalt Mixture - Grading	ASTM D5444-15	P
Construction materials and building	Asphalt	Determination of Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures	ASTM D2041/D2041M-19	P

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Construction materials and building	Asphalt	Bitumen -Softening point (Ring & Ball)	AASHTO T53-22	P
Construction materials and building	Asphalt	Bitumen -Penetration	AASHTO T 49-15(2019) ASTM D5/D5M-20	P
Construction materials and building	Asphalt	Loss of Stability	DMS 10-2001	P
Construction materials and building	Asphalt	International Roughness Index (IRI)	ASTM E950/E950M-09(2018)	S
Construction materials and building	Concrete	Precast concrete flags, kerbs, channels, edgings and quadrants - Measurement of dimensions	BS 7263 Part 1 : 1994 Annex A	P
Construction materials and building	Concrete	Precast concrete flags, kerbs, channels, edgings and quadrants - Determination of transverse strength	BS 7263 Part 1 : 1994 Annex B	P
Construction materials and building	Concrete	Masonry blocks- Water absorption/Density	ASTM C140/C140M-22b	P

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Construction materials and building	Concrete	Testing hardened concrete Flexural strength of test specimens	BS EN 12390-5:2019	P
Construction materials and building	Concrete	Testing concrete in structures Cored specimens. Taking, examining and testing in compression	BS EN 12504-1:2019	P
Construction materials and building	Concrete	Paving Blocks - Compressive Strength	BS 6717-1:1993 Annex B	P
Construction materials and building	Concrete	Flexural Strength of Concrete (Using Simple Beam with Centre-Point Loading)	ASTM C293/C293M-16	P
Construction materials and building	Concrete	Water Permeability	DIN 1048-5:1991 Cls 7.6	P
Construction materials and building	Concrete	Kerbstone -Water Absorption	BS EN 1340:2003 (Amd.16468:2006), Annex E	P
Construction materials and building	Concrete	Kerbstone -Bending Strength & Dimension	BS EN 1340:2003 (Amd.16468:2006), Annex F & C.2	P

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Construction materials and building	Concrete	Paving block-measurements of dimensions	BS 6717 Part 1 : 1993 Annex A	P
Construction materials and building	Concrete	Pull out test	BS 1881-207:1992, Cls.7	S
Construction materials and building	Concrete	Testing concrete in structures. Nondestructive testing - Determination of rebound number	BS EN 12504-2:2021	S
Construction materials and building	Concrete	Ultrasonic Pulse Velocity	BS EN 12504-4:2021	S
Construction materials and building	Concrete	Testing hardened concrete Compressive strength of test specimens	BS EN 12390-3:2019	P
Construction materials and building	Concrete	Testing hardened concrete Shape, dimensions and other requirements for specimens and moulds	BS EN 12390-1:2021	P
Construction materials and building	Concrete	Testing hardened concrete Making and curing specimens for strength tests	BS EN 12390-2:2019	P

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Construction materials and building	Concrete	Testing hardened concrete Density of hardened concrete	BS EN 12390-7:2019	P
Construction materials and building	Concrete	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C 1202-22	P
Construction materials and building	Concrete	Depth of Penetration of Water Under Pressure	BS EN 12390-8:2019	P
Construction materials and building	Concrete	Testing concrete Method for determination of water absorption	BS 1881-122:2011+A1:2020	P
Construction materials and building	Concrete	Testing concrete Recommendations for the determination of the initial surface absorption of concrete	BS 1881-208:1996	P
Construction materials and building	Fresh Concrete	Testing fresh concrete Air content. Pressure methods	BS EN 12350-7:2019	S
Construction materials and building	Fresh Concrete	Standard Test Method for Bleeding of Concrete	ASTM C232/C232M-20a	S

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Construction materials and building	Fresh Concrete	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance	ASTM C403/C403M-16	S
Construction materials and building	Fresh Concrete	Testing fresh concrete Density	BS EN 12350-6:2019	S
Construction materials and building	Fresh Concrete	Testing fresh concrete Sampling and common apparatus	BS EN 12350-1:2019	S
Construction materials and building	Fresh Concrete	Testing fresh concrete Slump test	BS EN 12350-2:2019	S
Construction materials and building	Fresh Concrete	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C1064/C1064M-23	S
Construction materials and building	Soil	Liquid Limit of Soils	AASHTO T 89-13 (2021)	P
Construction materials and building	Soil	Plastic Limit and Plasticity Index of Soils	AASHTO T 90-20	P

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Construction materials and building	Soil	Water (Moisture) Content of Soil Sample	BS 1377-2:2022, Cls 4 BS EN ISO 17892-1:2014+A1:2022	P
Construction materials and building	Soil	Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop	AASHTO T 180-21	P
Construction materials and building	Soil	California Bearing Ratio	AASHTO T 193-13 (2021)	P
Construction materials and building	Soil	Soil Classification	AASHTO M 145-91(2021)	P
Construction materials and building	Soil	Soil -In Situ Density by Large Pouring Cylinder	BS 1377-9:1990 Amd.17229-2007 Cls 2.2	S
Construction materials and building	Soil	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
Construction materials and building	Soil	Particle size distribution	BS 1377-2:2022, Cls.10 BS EN ISO 17892-4:2016 Cls. 5.2	P

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Construction materials and building	Soil	California Bearing Ratio (CBR)	ASTM D 1883-2021	P
Construction materials and building	Soil	Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D1556/D1556M-15e1	P
Construction materials and building	Paints and Varnishes	Determination of film thickness	BS EN ISO 2808:2019	P
Construction materials and building	Coatings	Pull-Off Adhesion strength of coatings on concrete using portable pull-off adhesion testers	ASTM D 7234:2021	S
Construction materials and building	Coatings	Pull-Off Strength of Coatings using portable adhesion testers	ASTM D 4541:2022	S
Construction materials and building	Masonry Blocks	Masonry Blocks - Dimension	BS 6073-1:1981 (Amd.14523:2003) Appendix A	P
Construction materials and building	Masonry Blocks	Masonry Blocks - Compressive Strength	BS 6073-2:1981 (Amd.4508:1984) Appendix B	P
Construction materials and building	Masonry Blocks	Masonry blocks-Water absorption/Density	ASTM C140/C140M-22b	P

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Construction materials and building	Cement	Flow	ASTM C939/C939M-22	S
Construction materials and building	Cement	Bleeding	ASTM C940-22	S
Construction materials and building	Cement	Volume change	ASTM C1090/C1090M-23	S
Construction materials and building	Water	Determination of pH	ASTM D1293-18	P
Construction materials and building	Water	Determination of Filterable Matter (Total Dissolved Solids) in water	ASTM D5907-18, Method A	P
Construction materials and building	Water	Determination of Chloride ion in water	ASTM D512-23, Method B	P
Construction materials and building	Water	Determination of Sulphate ion in water	ASTM D516-22	P
Construction materials and building	Aggregate	Acidity /Alkalinity of Water	ASTM D1067-16, Method B	P
Construction materials and building	Aggregate	Organic Impurities in Fine Aggregate for Concrete	ASTM C40/C40M-20, Cl. 10.1	P
Construction materials and building	Concrete	Determination of Chloride Content in Hardened Concrete	BS 1881-124:2015+A1:2021 Cl.12.1	P

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Construction materials and building	Concrete	Determination of Sulphate Content in Hardened Concrete	BS 1881-124:2015+A1:2021 Cl.12.2	P
Construction materials and building	Concrete	Testing for Chloride ion in Concrete	AASHTO T 260-21, Method 1	P
Construction materials and building	Soil	pH value of Soil	BS 1377-3:2018+A1:2021, Cl.12	P
Construction materials and building	Soil	Water Soluble Sulphate in Soil	BS 1377-3:2018+A1:2021, Cl.7.2, 7.3, 7.6	P
Construction materials and building	Soil	Acid Soluble Sulphate in Soil	BS 1377-3:2018+A1:2021, Cl.7.2, 7.9, 7.6	P
Construction materials and building	Soil	Water Soluble Chloride in Soil	BS 1377-3:2018+A1:2021, Cl.9.2	P
Construction materials and building	Soil	Acid Soluble Chloride in Soil	BS 1377-3:2018+A1:2021, Cl.9.3	P
Construction materials and building	Soil	Determination of Organic Matter Content	BS 1377-3:2018+A1:2021, Cl.4.0	P

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Construction materials and building	Soil	Determination of Moisture, Ash and Organic Matter of Peat & other Organic Soils.	ASTM D2974-20e1, Method A	P
Construction materials and building	Soil	Determination of Organic Content in Soils by Loss On Ignition	AASHTO T 267-22	P
Construction materials and building	Soil	Determination of Water Soluble Chloride	AASHTO T 291-22 Method A	P
Construction materials and building	Soil	Determination of Water Soluble Sulphate	AASHTO T 290-95(2020), Method A	P
Construction materials and building	Soil	Determination of Water Soluble Salt	USBR 5450- 89	P
Construction materials and building	Soil	Determination of Carbonate as CO ₂	BS 1377-3:2018+A1 2021, Cl.8.3	P
Construction materials and building	Soil	Gypsum Content of Soil as CaSO ₄	BS 1377-3:2018+A1:2021, Cl. 7.2, 7.9, 7.6 + Calculation	P
Construction materials and building	Groundwater	pH value of Groundwater	BS 1377-3:2018+A1:2021, Cl.12	P

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Construction materials and building	Groundwater	Sulphate Content of Groundwater	BS 1377-3:2018+A1:2021, Cl.7.2, 7.8, 7.6	P
Construction materials and building	Groundwater	Chloride Content of Groundwater	BS 1377-3:2018+A1:2021, Cl.9.2.7	P
Construction materials and building	Aggregate	Methylene Blue Absorption	BS EN 933-9:2022	P
Construction materials and building	Aggregate	Determination of Acid Soluble Chloride	BS 812 Part 117:1988, Appendix C	P
Construction materials and building	Aggregate	Determination of Acid Soluble Sulphate	BS 812 Part 118:1988, Cl.6.0	P
Construction materials and building	Aggregate	Determination of Water Soluble Chloride	BS 812 Part 117:1988	P
Construction materials and building	Aggregate	Determination of Water Soluble Sulphate	BS 812 Part 118:1988, Cl.5.0	P
Construction materials and building	Aggregate	Acid Soluble Materials	BS 812-119:1985	P
Construction materials and building	Aggregate	Potential Alkali-Silica Reactivity of Aggregates (Chemical Method)	ASTM C289-07, Clause 7,8.1,8.2,8.4	P
Construction materials and building	Bitumen	Flash Point (COC)	AASHTO T 48 -22 AASHTO T 79-12	P

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Construction materials and building	Bitumen	Ductility	AASHTO T 51 -09 (2018)	P
Construction materials and building	Bitumen	Solubility in trichloro ethylene	AASHTO T 44-23	P
Construction materials and building	Bitumen	Thin-Film oven test,3.2 mm,163°C,5 Hr (Loss on heating)	AASHTO T 179 -05 (2018) ASTM D 95-23	P
Construction materials and building	Bitumen	Water Content	AASHTO T 55 -02c	P
Construction materials and building	Bitumen	Kinematic Viscosity @135°C	ASTM D2170/D2170M-22	P
Construction materials and building	Bitumen	Mixing & Compaction Temperature	ASTM D 2493/D2493M-16	P
Construction materials and building	Bitumen	Test for Emulsified Asphalts	AASHTO T 59-22	P
Construction materials and building	Bitumen	Saybolt Furol Viscosity @ 50°C	AASHTO T 72-10 AASHTO T 59-22	P
Construction materials and building	Bitumen	Distillation	AASHTO T 78-15	P
END				

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.