



Accreditation Scope

Jacob Independent Laboratories W.L.L, NAL 243
Testing Laboratory, (ISO/IEC 17025:2017)

Building No. 36, Street No. 3147, Zone 91, P.O Box 19065 Birkat Al Awamer, Doha, Qatar, Doha, QATAR

Issue Date: 13/11/2025

Expiry Date: 12/11/2028

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)
Construction Materials - Physical Testing	Aggregate	Reducing Samples of Aggregate	ASTM C702/C702M-24	P
Construction Materials - Physical Testing	Soil	Water (Moisture) Content	ASTM D2216-19	P
Construction Materials - Physical Testing	Soil	Water Content	BS 1377-2:2022, Cls. 4	P
Construction Materials - Physical Testing	Soil	Modified Proctor	ASTM D1557-12(2021)	P
Construction Materials - Physical Testing	Soil	MDD using 4.5 Kg rammer	BS 1377-4:1990 Amd. 13925-2002 Cls.3.5, 3.6	P
Construction Materials - Physical Testing	Soil	Correction of unit weight & moisture of Soil with Over size Particles	ASTM D4718/D4718M- 15(2023)	P
Construction Materials - Physical Testing	Soil	FDT by Sand cone	ASTM D1556/D1556M-24	P
Construction Materials - Physical Testing	Soil	Sieve Analysis	ASTM D6913/D6913M-17	P
Construction Materials - Physical Testing	Soil	Sieve Analysis	BS 1377-2:1990 Cls 9.1 and 9.3	P

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Construction Materials - Physical Testing	Soil	Liquid Limit, Plastic Limit, and Plasticity Index	ASTM D4318-17e1	P
Construction Materials - Physical Testing	Aggregate	Percentage of Fractured Particles	ASTM D5821-13(2017)	P
Construction Materials - Physical Testing	Soil	Material Finer than 75-µm (No. 200) Sieve	ASTM D1140-17	P
Construction Materials - Physical Testing	Soil	California Bearing Ratio (CBR)	ASTM D1883-21	P
Construction Materials - Physical Testing	Soil	California Bearing Ratio (CBR)	BS 1377-4:1990 Amd. 13925-2002 Cls.7	P
Construction Materials - Physical Testing	Rock	Unconfined Compressive Strength	BS 1377-7:1990, Amd 8262-1994	P
Construction Materials - Physical Testing	Aggregate	Flat Particles, Elongated Particles, or Flat and Elongated Particles	ASTM D4791-19(2023)	P
Construction Materials - Physical Testing	Aggregate	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88/C88M-24	P
Construction Materials - Physical Testing	Aggregate	Sampling Aggregates	ASTM D75/D75M-19	P
Construction Materials - Physical Testing	Aggregate	moisture content	BS 812-109:1990	P

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Construction Materials - Physical Testing	Aggregate	Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/C136M-19	P
Construction Materials - Physical Testing	Aggregate	Sand Equivalent Test	ASTM D2419-22	P
Construction Materials - Physical Testing	Aggregate	particle size distribution	BS 812-103: 1985	P
Construction Materials - Physical Testing	Aggregate	Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	ASTM C127-24	P
Construction Materials - Physical Testing	Aggregate	Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128-22	P
Construction Materials - Physical Testing	Aggregate	Clay Lumps and Friable Particles	ASTM C142/C142M-17(2023)	P
Construction Materials - Physical Testing	Aggregate	Materials Finer than 75-µm (No. 200)	ASTM C117-23	P
Construction Materials - Physical Testing	Aggregate	particle size distribution. Sieving method	BS EN 933-1:2012	P
Construction Materials - Physical Testing	Aggregate	Sieve Analysis of Mineral Filler for Asphalt Paving Mixtures	ASTM D546-24	P

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Construction Materials - Physical Testing	Aggregate	shell content	BS EN 933-7:1998	P
Construction Materials - Physical Testing	Aggregate	Flakiness Index	BS 812-105.1:1989	P
Construction Materials - Physical Testing	Aggregate	Elongation Index	BS 812-105.2:1990	P
Construction Materials - Physical Testing	Aggregate	Aggregate Crushing Value (ACV)	BS 812-110:1990	P
Construction Materials - Physical Testing	Aggregate	Ten Percent Fines Value (TFV)	BS 812-111:1990 Part 7.1 & 7.2	P
Construction Materials - Physical Testing	Aggregate	Aggregate Impact Value	BS 812-112:1990	P
Construction Materials - Physical Testing	Asphalt	Application Rate and Residual Application Rate of Bituminous Distributors	ASTM D2995-23	P
Construction Materials - Physical Testing	Asphalt	Irregularity/Evenness test	BS EN 13036-7:2003	P
Construction Materials - Physical Testing	Fresh Concrete	Making and curing specimens	BS EN 12390-2:2019	S
Construction Materials - Physical Testing	Fresh Concrete	Sampling	BS EN 12350-1:2019	S
Construction Materials - Physical Testing	Fresh Concrete	Temperature	ASTM C1064/C1064M-23	S

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Construction Materials - Physical Testing	Fresh Concrete	Slump test	BS EN 12350-2:2019	S
Construction Materials - Physical Testing	Fresh Concrete	Slump Flow	ASTM C1611/C1611M-21	S
Construction Materials - Physical Testing	Fresh Concrete	Density	BS EN 12350-6:2019	S
Construction Materials - Physical Testing	Fresh Concrete	Bleeding	ASTM C232/C232M-21	S
Construction Materials - Physical Testing	Fresh Concrete	Air content	BS EN 12350-7:2019	S
Construction Materials - Physical Testing	Concrete	Shape, dimensions	BS EN 12390-1:2021	P
Construction Materials - Physical Testing	Concrete	Compressive strength	BS EN 12390-3:2019	P
Construction Materials - Physical Testing	Concrete	Density of hardened concrete	BS EN 12390-7:2019	P
Construction Materials - Physical Testing	Concrete	Flexural strength	BS EN 12390-5:2019	P
Construction Materials - Physical Testing	Masonry Blocks	Dimension	BS 6073-1:1981 (Amd.14523:2003) Appendix A	P
Construction Materials - Physical Testing	Masonry Blocks	Compressive Strength	BS 6073-2:1981 (Amd.4508:1984) Appendix B	P

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Construction Materials - Physical Testing	Masonry Blocks	Water Absorption	EN 771-11:2011	P
Construction Materials - Physical Testing	Paving Block	Dimensions	BS 6717-1:2001 Annex A	P
Construction Materials - Physical Testing	Paving Block	Compressive Strength	BS 6717-1:1993 Annex B	P
Construction Materials - Physical Testing	Paving Block	Water Absorption	ASTM C140/C140M-24	P
Construction Materials - Physical Testing	Kerbstone	Overall Dimension	BS EN 1340:2003 (Amd.16468:2006), Annex C.2	P
Construction Materials - Physical Testing	Kerbstone	Bending Strength	BS EN 1340:2003 (Amd.16468:2006), Annex F	P
Construction Materials - Physical Testing	Kerbstone	Water Absorption	BS EN 1340:2003 (AmD65:E75d.16468:2006), Annex E	P
END				

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