



INTERNATIONAL
ACCREDITATION
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CERTIFICATE OF ACCREDITATION

This is to attest that

TORCH MATERIAL TESTING LAB

17 INDUSTRIAL AREA GATE 166
DOHA 15673, QATAR

Testing Laboratory TL-900

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date June 21, 2024



International Accreditation Service
Issued under the authority of IAS management

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SCOPE OF ACCREDITATION

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TORCH MATERIAL TESTING LAB

www.torch.qa

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Accredited to ISO/IEC 17025:2017

Effective Date June 21, 2024

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Aggregate	ASTM C40/C40M-20	Test Method for Organic Impurities in Fine Aggregates for Concrete	Main Lab
Aggregate	ASTM C88/C88M-18	Test Method for Soundness of Aggregates by Use of Sodium Sulphate or Magnesium Sulphate.	Main Lab
Aggregate	ASTM C117-17	Standard Test Method for Materials Finer than 75- μ m (No.200) Sieve in Mineral Aggregates by Washing	Main Lab
Aggregate	ASTM C123/C123M-14	Standard Test Method for Lightweight Particles in Aggregate	Main Lab
Aggregate	ASTM C127-15	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Main Lab
Aggregate	ASTM C128-15	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Main Lab
Aggregate	ASTM C131/C131M-20	Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Main Lab
Aggregate	ASTM C136/C136M-19	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	Main Lab
Aggregate	ASTM C142/C142M-17	Standard test method for clay lumps and friable particles in aggregates	Main Lab
Aggregate	ASTM C535-16	Standard Test Method for Resistance to Degradation of Large Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Main Lab
Aggregate	ASTM C702/C702M-18	Standard Practice for Reducing Samples of Aggregate to Testing Size	Main Lab
Aggregate	ASTM D75/D75M-19 Cl. 5.3.3.1, 5.3.3.2 and 5.3.3.3 only	Standard Practice for Sampling Aggregates	Main Lab
Aggregate	ASTM D546-17	Standard Test Method for Sieve Analysis of Mineral Filler for Asphalt Paving Mixtures	Main Lab



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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Aggregate	ASTM D4791-19	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	Main Lab
Aggregate	ASTM D5821-13(2017)	Percentage of Fractured Particles	Main Lab
Aggregate	BS 812-102:1989	Sampling of Aggregates (From Heaps)	Main Lab
Aggregate	BS 812-103.1:1985 Cl. 7.2	Particle Size Distribution (Wet)	Main Lab
Aggregate	BS 812-103.1:1985 Cl. 7.3	Particle Size Distribution (Dry)	Main Lab
Aggregate	BS 812-105.2:1990	Elongation Index	Main Lab
Aggregate	BS 812-109:1990 Sec.6	Determination of Moisture Content (Oven Drying)	Main Lab
Aggregate	BS 812-110:1990	Determination of Aggregate Crushing Value	Main Lab
Aggregate	BS 812-111:1990	Testing aggregates - Methods for determination of ten per cent fines value (TFV)	Main Lab
Aggregate	BS 812-112:1990	Testing aggregates - Method for determination of aggregate impact value (AIV)	Main Lab
Aggregate	BS 812-2:1995 Cl. 5.3	Particle Density and Water Absorption (All larger than 10mm aggregate)	Main Lab
Aggregate	BS 812-2:1995 Cl. 5.4	Particle Density and Water Absorption (5-40mm aggregate)	Main Lab
Aggregate	BS 812-2:1995 Cl. 5.5	Particle Density and Water Absorption (10mm aggregate and smaller)	Main Lab
Aggregate	BS EN 932-1:1997	Tests for general properties of aggregates. Methods for sampling (ON SITE)	Main Lab
Aggregate	BS EN 933-1:2012	Tests for geometrical properties of aggregates. Determination of particle size distribution. Sieving method	Main Lab
Aggregate	BS EN 933-3:2012	Tests for Geometrical Properties of Aggregates (Determination of Particle Shape - Flakiness Index)	Main Lab
Aggregate	BS EN 933-4:2008	Tests for geometrical properties of aggregates. Determination of particle shape. Shape index	Main Lab
Aggregate	BS EN 933-7:1998	Determination of Shell Content	Main Lab
Aggregate	BS EN 933-9	Methylene blue test	Main Lab
Aggregate	BS EN 1097-2:2020 cl. 5	Method of determination of resistance to fragmentation (Loss Angeles Abrasion test)	Main Lab
Aggregate	BS EN 1097-6:2013	Determination of Particle Density and Water Absorption	Main Lab
Aggregate	BS EN 1367-2:2009	Tests for thermal and weathering properties of aggregates - Magnesium sulfate test	Main Lab



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Aggregate	BS EN 1744-1:2009+A1:2012 cl.12	Tests for chemical properties of aggregates, Chemical analysis: Determination of Acid Soluble Sulphate Content	Main Lab
Aggregate	BS EN 1744-5:2006	Tests for chemical properties of aggregates. Determination of acid soluble chloride salts	Main Lab
Asphalt	ASTM D5 / D5M	Standard Test Method for Penetration of Bituminous Materials	Main Lab
Asphalt	ASTM D36	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	Main Lab
Asphalt	ASTM D70	Standard test method for Density of semi solid bituminous materials (Pycnometer method)	Main Lab
Asphalt	ASTM D92-18	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	Main Lab
Asphalt	ASTM D140/D140M-16	Standard Practice for Sampling Asphalt Materials	Main Lab
Asphalt	ASTM D979	Standard Practice for Sampling Bituminous Paving Mixtures	Main Lab
Asphalt	ASTM D2041	Standard Test Method for Theoretical Maximum specific gravity and density of Bituminous Paving Mixtures	Main Lab
Asphalt	ASTM D2172	Standard Test Methods for Quantitative extraction of bitumen from bituminous paving mixture	Main Lab
Asphalt	ASTM D2172-17E1 Cl 13.2	Determination of mineral matter by ashing method	Main Lab
Asphalt	ASTM D2726/M	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures	Main Lab
Asphalt	ASTM D2995-14	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors	Main Lab
Asphalt	ASTM D3549 / D3549M	Standard Test Method for Thickness or Height of Compacted Asphalt Mixture Specimens	Main Lab
Asphalt	ASTM D4402/D4402M-15	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer	Main Lab
Asphalt	ASTM D5361/D5361M-16	Sampling Compacted Asphalt Mixtures for Laboratory Testing	Main Lab
Asphalt	ASTM D5444	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	Main Lab

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Asphalt	ASTM D6926	Standard Practice for Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	Main Lab
Asphalt	ASTM D6927 - 15	Standard Test Method for Marshall Stability and Flow of Bituminous Mixtures	Main Lab
Asphalt	BS EN 12697-13:2017	Bituminous mixtures. Test methods. Temperature measurement	Main Lab
Cementitious Materials	ASTM C109	Compressive Strength of Cube of Hydraulic Cement Mortars	Main Lab
Cementitious Materials	ASTM C187	Normal Consistency of Cement	Main Lab
Cementitious Materials	ASTM C191	Setting Time by Vicat	Main Lab
Cementitious Materials	ASTM C311 Cl.11	Standard Test Method for Sampling and Testing Fly Ash or Natural Pozzolans for use on Portland Cement Concrete (only clause 11 Chemical Analysis of Moisture Content)	Main Lab
Cementitious Materials	ASTM C989	Compressive strength for Ground Granulated Blast Furnace Slag	Main Lab
Cementitious Materials	ASTM C1240	Pozzolanic Activity Test	Main Lab
Cementitious Materials	BS EN 196-1	Determination of Strength of Cement	Main Lab
Cementitious Materials	BS EN 196-2 Cl. 4.4.2	Sulphate	Main Lab
Cementitious Materials	BS EN 196-2 Cl. 4.4.3	Insoluble Residue	Main Lab
Cementitious Materials	BS EN 196-2:2013 Cl. 7	Loss on Ignition	Main Lab
Cementitious Materials	BS EN 196-2 Cl. 13.10	Ferric Oxide Content	Main Lab
Cementitious Materials	BS EN 196-2 Cl. 13.11	Aluminum Oxide Content	Main Lab
Cementitious Materials	BS EN 196-2 Cl. 13.14	Calcium Oxide Content	Main Lab
Cementitious Materials	BS EN 196-2 Cl. 13.15	Magnesium Oxide Content	Main Lab
Cementitious Materials	BS EN 196-3 Clause 6	Determination of Setting Times of Cement	Main Lab
Cementitious Materials	BS EN196-3 Clause 7	Determination of Soundness of Cement	Main Lab
Cementitious Materials	BS EN 196-6	Fineness Test of Cement (clause 4 Air Permeability Method)	Main Lab
Cementitious Materials	BS EN 196-7	Taking and Preparing Samples of Cement	Main Lab



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Cementitious Materials	BS EN 196-21:1992 Cl. 4	Chloride Content	Main Lab
Concrete	ASTM C31/C31M-21a	Standard Practice for Making and Curing Concrete Test Specimens in the Field	Main Lab
Concrete	ASTM C39/C39M-21	Compressive Strength of Concrete Cylindrical Specimens	Main Lab
Concrete	ASTM C42/C42M-20	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	Main Lab
Concrete	ASTM C138/C138M-17a	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Main Lab
Concrete	ASTM C143/C143M-20	Standard Test Method for Slump of Hydraulic-Cement Concrete	Main Lab
Concrete	ASTM C172/C172M-17	Standard Practice for Sampling Freshly Mixed Concrete	Main Lab
Concrete	ASTM C231/C231M-17a	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	Main Lab
Concrete	ASTM C1064/C1064M-17	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	Main Lab
Concrete	ASTM C1202: 19	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration (RCPT)	Main Lab
Concrete	BS 1881-122:2011	Testing concrete. Method for determination of water absorption	Main Lab
Concrete	BS 1881 Part124:2015: Clause:12 .1	Testing concrete. Methods for analysis of hardened concrete: Acid Soluble Chloride in Concrete	Main Lab
Concrete	BS 1881 Part 124:2015 Clause:12.2	Testing concrete. Methods for analysis of hardened concrete Acid Soluble Sulphate in Concrete	Main Lab
Concrete	BS 1881-208:1996	Testing concrete. Recommendations for the determination of the initial surface absorption of concrete	Main Lab
Concrete	BS EN 12350-1: 19	Testing fresh concrete. Sampling	Main Lab
Concrete	BS EN 12350-2:19	Testing fresh concrete. Slump-test	Main Lab
Concrete	BS EN 12350-5:19	Testing Fresh Concrete. Flow table test	Main Lab
Concrete	BS EN 12350-6: 19	Testing fresh concrete. Density	Main Lab
Concrete	BS EN 12350-7: 19	Testing fresh concrete. Air Content (Pressure Method)	Main Lab
Concrete	BS EN 12390-1:19	Testing hardened concrete. Shape, dimensions and other requirements for specimens and moulds	Main Lab
Concrete	BS EN 12390-2: 19	Testing hardened concrete. Making and curing specimens for strength tests	Main Lab
Concrete	BS EN 12390-3:19	Testing hardened concrete. Compressive strength of test specimen	Main Lab



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Concrete	BS EN 12390-5	Testing hardened concrete. Flexural strength of test specimens	Main Lab
Concrete	BS EN 12390-7:19	Testing hardened concrete. Density of hardened concrete	Main Lab
Concrete	BS EN 12390-8:19	Testing hardened concrete. Depth of penetration of water under pressure (Water Penetration Test)	Main Lab
Concrete	BS EN 12504-1:2019	Testing concrete in structures - Cored specimens. Taking, examining and testing in compression	Main Lab
Concrete	NT Build 492: 1999-11	Chloride Migration Coefficient from non-steady-state Migration experiments	Main Lab
Environmental	APHA 2320-B	Bicarbonate	Main Lab
Environmental	APHA 2320-B	Carbonate	Main Lab
Environmental Tests	APHA 4500 H+B	pH Value of water (Electrometric method)	Main Lab
Environmental Tests	APHA 9215 E	Heterotrophic plate count (Enzyme substrate Method)	Main Lab
Environmental Tests	APHA 9223 B	Escherichia Coli (Enzyme substrate Method)	Main Lab
Environmental Tests	APHA 9223 B	Total Coliform (Enzyme substrate Method)	Main Lab
Environmental Tests	APHA 9223 B	Determination of Fecal coliform (Enzyme substrate Method)	Main Lab
Environmental	APHA/AWWA 2320- B	Phenolphthalein Alkalinity	Main Lab
Environmental	APHA/AWWA 2320- B	Total Alkalinity	Main Lab
Environmental	APHA/AWWA 2340-C	Total Hardness	Main Lab
Environmental	APHA/AWWA 2510-B	Electrical Conductivity	Main Lab
Environmental	APHA/AWWA 2540-B	Total Solids	Main Lab
Environmental	APHA/AWWA 2540-C	Total Dissolved Solids (TDS)	Main Lab
Environmental	APHA/AWWA 2540-D	Total Suspended Solids (TSS)	Main Lab
Environmental	APHA/AWWA 3500-Ca B	Calcium	Main Lab
Environmental	APHA/AWWA 3500-Mg B	Magnesium Concentration by calculation	Main Lab
Environmental	APHA/AWWA 4500-Cl B	Chloride	Main Lab
Environmental	APHA/AWWA 4500- SO4	Sulphate	Main Lab
Geotechnical	ASTM D1196/D1196M-21	Standard Test Method for Nonrepetitive Static Plate Tests of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements	Main Lab
Geotechnical	ASTM D5731-16	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications	Main Lab
Geotechnical	BS 1377-9 Sec. 4.1	Plate Load Test	Main Lab



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Masonry Blocks & Paving Units	ASTM C140/C140M-21	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units (Water Absorption for Interlocks)	Main Lab
Masonry Blocks & Paving Units	BS 6717 Annex B	Measurement of Dimensions of Paving Blocks	Main Lab
Masonry Blocks & Paving Units	BS 6717 Annex E	Tensile Strength of Paving Blocks	Main Lab
Masonry Blocks & Paving Units Tests	BS EN 771- 3:2011+A1:2015	Specification for masonry units - Aggregate concrete masonry units (Dense and lightweight aggregates) (Water Absorption)	Main Lab
Masonry Blocks & Paving Units	BS EN 772- 1:2011+A1:2015	Methods of test for masonry units - Determination of compressive strength	Main Lab
Masonry Blocks & Paving Units	BS EN 1338:2003 Annex E	Water Absorption for Paving Blocks	Main Lab
Masonry Blocks & Paving Units	BS EN 1338 Annex F	Tensile Strength of Paving Blocks	Main Lab
Masonry Blocks & Paving Units	BS EN 1339:2003 Appendix E	Water Absorption for Concrete Paving Flags / Slabs	Main Lab
Masonry Blocks & Paving Units	BS EN 1340:2003 Annex C	Measurement of Dimensions of Kerbs	Main Lab
Masonry Blocks & Paving Units	BS EN 1340:2003 Annex E	Water Absorption for Kerbs	Main Lab
Microbiology	APHA 9221 B	Determination of Total Coliform (Multiple Tube Fermentation Technique)	Main Lab
Microbiology	APHA 9221 E	Determination of Fecal Coliform (Multiple Tube Fermentation Technique)	Main Lab
Microbiology	APHA 9221 F	Determination of Escherichia Coli (Multiple Tube Fermentation Technique)	Main Lab
Non- Destructive Test	ASTM C805/C805M-18	Standard Test Method for Rebound Number of Hardened Concrete	Main Lab
Non- Destructive Test	ASTM D4541-17	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers	Main Lab
Non- Destructive Test	ASTM E1703/E1703M- 10(2015)	Standard Test Method for Measuring Rut-Depth of Pavement Surfaces Using a Straightedge	Main Lab



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Non-Destructive Test	BS 1881-204:1988	Testing concrete - Recommendations on the use of electromagnetic cover meters	Main Lab
Non-Destructive Test	BS EN 12504-2:2021	Testing concrete in structures - Non-destructive testing. Determination of rebound number	Main Lab
Non-Destructive Test	BS EN 12504-4:2021	Testing concrete in structures - Determination of ultrasonic pulse velocity	Main Lab
Non-Destructive Test	Gauge Manual	Crack Width Gauge	Main Lab
Non-Destructive Test	Microscope Manual	Crack Measurement Microscope	Main Lab
Road & Pavement	ASTM D140/D140M-16	Standard Practice for Sampling Asphalt Materials	Main Lab
Road & Pavement	ASTM D5361/D5361M-16	Sampling Compacted Asphalt Mixtures for Laboratory Testing	Main Lab
Soil	ASTM D1140	Standard Test Methods for Determining the Amount of Material Finer than 75- μ m (No. 200) Sieve in Soils by Washing	Main Lab
Soil	ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method	Main Lab
Soil	ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort {56,000 ft-lb/ft ³ (2,700 kN-m/m ³)}	Main Lab
Soil	ASTM D1883	Standard Test Method for CBR (California Bearing Ratio) of Laboratory -Compacted Soils	Main Lab
Soil	ASTM D2216	Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	Main Lab
Soil	ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	Main Lab
Soil	ASTM D2974	Determination of Organic Material of Peat and the Other Organic Soils	Main Lab
Soil	ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	Main Lab
Soil	ASTM D4718	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	Main Lab

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Soil	ASTM D4944-18	Standard Test Method for Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester	Main Lab
Soil	ASTM D6913	Standard Test Methods for Particle- Size Distribution (Gradation) of Soils Using Sieve Analysis	Main Lab
Soil	BS 1377-2:1990 Sec. 3.2	Determination of Moisture Content (Oven Drying)	Main Lab
Soil	BS 1377-2:1990 Sec. 4.3	Determination of Liquid Limi (Cone Penetrometer)	Main Lab
Soil	BS 1377-2:1990 Sec. 4.5	Determination of Liquid Limit (Casagrande Method)	Main Lab
Soil	BS 1377-2:1990 Sec. 5	Determination of Plastic Limit and Plasticity Index	Main Lab
Soil	BS 1377-2:1990 Sec. 9.2	Particle Size Distribution (Wet Sieving Method)	Main Lab
Soil	BS 1377-2:1990 Sec. 9.3	Particle Size Distribution (Dry Sieving Method)	Main Lab
Soil	BS 1377-3: Sec. 5.2	Determination of Acid Soluble Sulphate Content	Main Lab
Soil	BS 1377-3: clause 7.1/ 7.3 /7.6	Methods of test of soils for civil engineering purposes. Chemical and electrochemical tests: Determination of water soluble sulphate	Main Lab
Soil	BS 1377-3: Sec. 8.3	Determination of Carbonate Content	Main Lab
Soil	BS 1377-3: Sec. 9.2: 18	Methods of test of soils for civil engineering purposes. Chemical and electrochemical tests: Determination of water soluble chloride	Main Lab
Soil	BS 1377-3: clause 9.3	Methods of test of soils for civil engineering purposes. Chemical and electrochemical tests: Determination of Acid Soluble Chloride Content	Main Lab
Soil	BS 1377-3: clause 12	Determination of pH values of soil	Main Lab
Soil	BS 1377-3:1990 Sec. 3	Determination of Organic Matter Content	Main Lab
Soil	BS 1377 Part 4: Sec.3.5/3.6	Dry Density/Moisture Content Relationship	Main Lab
Soil	BS EN 933- 8:2012+A1:2015	Tests for geometrical properties of aggregates - Assessment of fines. Sand equivalent test	Main Lab

