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# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

ST. NO. 18, GATE NO. 56, INDUSTRIAL AREA  
DOHA, 22054, QATAR

### **Testing Laboratory TL-452**

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 August 12, 2025



*International Accreditation Service*  
Issued under the authority of IAS management

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# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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## QATAR GEOTECHNICAL & ENVIRONMENTAL CO

[www.qgec.net](http://www.qgec.net)

**Contact Name** Basim Al Disi

**Contact Phone** +974 66877219

**Accredited to** ISO/IEC 17025:2017

**Effective Date** August 12, 2025

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Aggregate	ASTM C117	Standard Test Method for Materials Finer than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	St. 18, Gate 56 Doha
Aggregate	ASTM C127	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	St. 18, Gate 56 Doha
Aggregate	ASTM C128	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate	St. 18, Gate 56 Doha
Aggregate	ASTM C131/C131M	Standard Test Method for Resistance to Degradation of Small- Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	St. 18, Gate 56 Doha
Aggregate	ASTM C136/C136M	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	St. 18, Gate 56 Doha
Aggregate	ASTM C142/C142M - 17	Standard Test Method for Clay Lumps and Friable Particles in Aggregates	St. 18, Gate 56 Doha
Aggregate	ASTM C535	Standard Test Method for Resistance to Degradation of Large- Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	St. 18, Gate 56 Doha
Aggregate	ASTM C1252	Standard Test Method for Uncompacted Void Content of Fine Aggregate (as influenced by particle shape, surface texture, and grading)	St. 18, Gate 56 Doha
Aggregate	ASTM D75/D75M	Standard Practice for Sampling of Aggregates	St. 18, Gate 56 Doha
Aggregate	ASTM D4791	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	St. 18, Gate 56 Doha

TL-452

QATAR GEOTECHNICAL & ENVIRONMENTAL CO

Effective Date August 12, 2025

Page 2 of 20

IAS/TL-ASHGHAL/100-2



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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Aggregate	ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate	St. 18, Gate 56 Doha
Aggregate	BS 812-109, Sec. 6.0	Testing aggregates - Part 109: Methods for determination of moisture content Sec. 6 Definitive, oven-drying method	St. 18, Gate 56 Doha
Aggregate	BS 812-110	Testing aggregates - Part 110: Methods for determination of aggregate crushing value (ACV)	St. 18, Gate 56 Doha
Aggregate	BS 812-111	Testing aggregates - Methods for determination of ten per cent fines value (TFV)	St. 18, Gate 56 Doha
Aggregate	BS 812-112	Testing aggregates - Method for determination of aggregate impact value (AIV)	St. 18, Gate 56 Doha
Aggregate	BS EN 933-1	Tests for geometrical properties of aggregates Part 1: Determination of particle size distribution Sieving method	St. 18, Gate 56 Doha
Aggregate	BS EN 933-3:2012	Tests for geometrical properties of aggregates. Determination of particle shape. Flakiness index	St. 18, Gate 56 Doha
Aggregate	BS EN 933-4	Tests for geometrical properties of aggregates - Determination of particle shape. Shape index (Elongation Index)	St. 18, Gate 56 Doha
Aggregate/ Chem	ASTM C40/C40M	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	St. 18, Gate 56 Doha
Aggregate/ Chem	ASTM C88	Standard Test Method for Soundness of Aggregates by the use of Sodium Sulfate or Magnesium Sulfate	St. 18, Gate 56 Doha
Aggregate/ Chem	ASTM C123/C123M	Standard Test Method for Lightweight Particles in Aggregates	St. 18, Gate 56 Doha
Aggregate/ Chem	ASTM C289	Standard Test Method for Potential Alkali- Silica Reactivity of Aggregates (Chemical Method)	St. 18, Gate 56 Doha
Aggregate/ Chem	BS 812-117	Testing Aggregates-Part 117 Method for Determination of Water-Soluble Chloride Salts	St. 18, Gate 56 Doha
Aggregate/ Chem	BS 812-118	Testing Aggregates-Part 118 Methods for Determination of Sulphate Content	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 3 of 20

IAS/TL-ASHGHAL/100-2



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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Cement	ASTM C109	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens)	St. 18, Gate 56 Doha
Cement	ASTM C305	Standard Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	St. 18, Gate 56 Doha
Cement	ASTM C1437	Standard Test Method for Flow of Hydraulic Cement Mortar	St. 18, Gate 56 Doha
Cement	BS EN 196 Part 3	Methods of testing cement Part 3: Determination of soundness	St. 18, Gate 56 Doha
Cement	BS EN 196 Part 3, Sec.5.0	Methods of testing cement - Determination of consistence test	St. 18, Gate 56 Doha
Cement	BS EN 196 Part 3, Sec.6.0	Methods of testing cement - Determination of setting times	St. 18, Gate 56 Doha
Cement	BS EN 196 Part 6	Methods of testing cement - Determination of fineness	St. 18, Gate 56 Doha
Cement	BS EN 196 Part 7	Methods of testing cement - Methods of taking and preparing samples of cement	St. 18, Gate 56 Doha
Concrete	ASTM C31/C31M	Standard Practice for Making and Curing Concrete Test Specimens in the Field	St. 18, Gate 56 Doha
Concrete	ASTM C39/C39M	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	St. 18, Gate 56 Doha
Concrete	ASTM C42/C42M	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	St. 18, Gate 56 Doha
Concrete	ASTM C78/C78M	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	St. 18, Gate 56 Doha
Concrete	ASTM C138/C138M	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	St. 18, Gate 56 Doha
Concrete	ASTM C143/C143M	Standard Test Method for Slump of Hydraulic-Cement Concrete	St. 18, Gate 56 Doha
Concrete	ASTM C172/C172M	Standard Practice for Sampling Freshly Mixed Concrete	St. 18, Gate 56 Doha
Concrete	ASTM C231/C231M	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	St. 18, Gate 56 Doha
Concrete	ASTM C403	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance	St. 18, Gate 56 Doha
Concrete	ASTM C900	Standard Test Method for Pullout Strength of Hardened Concrete	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 4 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Concrete	ASTM C1064/C1064M	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	St. 18, Gate 56 Doha
Concrete	ASTM C1202	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	St. 18, Gate 56 Doha
Concrete	ASTM C1231	Testing Concrete Cylinders Using Unbonded Caps	St. 18, Gate 56 Doha
Concrete	ASTM C1385	Sampling of Shotcrete	St. 18, Gate 56 Doha
Concrete	ASTM C1611.	Slump Flow Test for Self-Consolidated Concrete	St. 18, Gate 56 Doha
Concrete	ASTM C1621	Passing Ability for Self-Consolidating Concrete by J-Ring.	St. 18, Gate 56 Doha
Concrete	BS 1881-122	Testing concrete. Method for determination of water absorption	St. 18, Gate 56 Doha
Concrete	BS EN 1542	Products and systems for the protection and repair of concrete structures. Test methods. Measurement of bond strength by pull-off	St. 18, Gate 56 Doha
Concrete	BS EN 12350-1	Testing fresh concrete. Sampling of Fresh Concrete	St. 18, Gate 56 Doha
Concrete	BS EN 12350-2	Testing fresh concrete. Slump-test	St. 18, Gate 56 Doha
Concrete	BS EN 12350-7	Testing fresh concrete. Air content. Pressure methods	St. 18, Gate 56 Doha
Concrete	BS EN 12390-1	Testing hardened concrete. Shape, dimensions and other requirements for specimens and moulds	St. 18, Gate 56 Doha
Concrete	BS EN 12390-2	Testing hardened concrete - Part 2: Making and curing specimens for strength tests	St. 18, Gate 56 Doha
Concrete	BS EN 12390-3	Testing hardened concrete. Compressive strength of test specimens	St. 18, Gate 56 Doha
Concrete	BS EN 12390-7	Testing hardened concrete. Density of hardened concrete	St. 18, Gate 56 Doha
Concrete	BS EN 12390-8	Testing hardened concrete. Depth of penetration of water under pressure	St. 18, Gate 56 Doha
Concrete	BS EN 12504-1	Testing concrete in structures. Cored specimens. Taking, examining and testing in compression	St. 18, Gate 56 Doha
Concrete	BS 1881 Part 208	Initial Surface Absorption (ISAT)	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 5 of 20

IAS/TL-ASHGHAL/100-2



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International Accreditation Service, Inc.

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Concrete/ Chem	BS 1881-124, Sec.12.1	Testing Concrete. Methods for Analysis of Hardened Concrete Sec.12.1 Determination of Chloride Content	St. 18, Gate 56 Doha
Concrete/ Chem	BS 1881-124, Sec.12.2	Testing Concrete. Methods for Analysis of Hardened Concrete Sec.12.2 Determination of Sulphate Content	St. 18, Gate 56 Doha
Environmental Tests	APHA 2130 B	Turbidity	St. 18, Gate 56 Doha
Environmental Tests	APHA 2320 B	Alkalinity - Titration method (Bicarbonate)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2320 B	Alkalinity - Titration method (Carbonate)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2320 B	Alkalinity - Titration method (Phenolphthalein Alkalinity)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2320 B	Alkalinity - Titration method (Total Alkalinity)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2340 C	Total Hardness	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2510 B	Electrical Conductivity	St. 18, Gate 56 Doha
Environmental Tests	APHA 2520 B	Salinity	St. 18, Gate 56 Doha
Environmental Tests	APHA 2540 B	Standard Methods for the Examination of Water and Wastewater: Total Solids Dried at 103 - 105 C	St. 18, Gate 56 Doha
Environmental Tests	APHA 2540 C/E	Standard Methods for the Examination of Water and Wastewater: Total Volatile Dissolved Solids (TVDS) Dried at 180 C - 550 C	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2540 C	Standard Methods for the Examination of Water and Wastewater: Total Dissolved Solids (TDS) Dried at 180 C	St. 18, Gate 56 Doha
Environmental Tests	APHA 2540 D	Total Suspended Solid	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 6 of 20

IAS/TL-ASHGHAL/100-2



INTERNATIONAL  
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# SCOPE OF ACCREDITATION

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Environmental Tests	APHA 2540 D/E	Standard Methods for the Examination of Water and Wastewater: Total Volatile Suspended Solids at 103 C – 105 C, 550 C	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2540 E	Standard Methods for the Examination of Water and Wastewater: Fixed and volatile solids ignited at 550 C	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 2540 F	Standard Methods for the Examination of Water and Wastewater: Settleable Solids	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Ag)	St. 18, Gate 56 Doha
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (As)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Be)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Ca)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Cd)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Co)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Cr)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Cu)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Fe)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Mg)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Mn)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Mo)	St. 18, Gate 56 Doha / Environmental Section

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 7 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Na)	St. 18, Gate 56 Doha
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Ni)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (P)	St. 18, Gate 56 Doha
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Pb)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Sb)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Se)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Sn)	St. 18, Gate 56 Doha
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Sr)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Ti)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Tl)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (V)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3120-B	Metals by Plasma Emission Spectroscopy - ICP Method (Zn)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3500-Ca B	Hardness as CaCo <sub>3</sub>	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 3500-Cr B	Hexavalent chromium	St. 18, Gate 56 Doha
Environmental Tests	APHA 3500 Mg	Magnesium Conc.(calculation)	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 Cl B	Residual Chlorine	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 Cl - B	Chloride - Argentometric Method	St. 18, Gate 56 Doha / Environmental Section

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 8 of 20

IAS/TL-ASHGHAL/100-2





# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Environmental Tests	APHA 4500 Cl - B	Sulphide	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500Cl G HACH Instrument	Total Chlorine	St. 18, Gate 56 Doha
Environmental Tests	APHA 4500 F- D	Standard Methods for the Examination of Water and Wastewater: SPADNAS Method for Fluoride	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 H+B	pH Value	St. 18, Gate 56 Doha
Environmental Tests	APHA 4500 NH <sub>3</sub> F	Ammonia Nitrogen	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 NO <sub>2</sub> - B	Standard Methods for the Examination of Water and Wastewater: Nitrite Nitrogen	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 NO <sub>3</sub> - B	Standard Methods for the Examination of Water and Wastewater: Ultraviolet Spectrophotometric Screening Method for Nitrate Nitrogen	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 P D	Total Phosphorous	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 S2- F	Sulphide	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 SO <sub>4</sub> <sup>2-</sup> C	Sulfate	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 4500 SiO <sub>2</sub> -C	Total Silicates	St. 18, Gate 56 Doha
Environmental Tests	APHA 5210B/ 4500OC	BOD (Biochemical Oxygen Demand)	St. 18, Gate 56 Doha
Environmental Tests	APHA 5220D	COD (Chemical Oxygen Demand)	St. 18, Gate 56 Doha
Environmental Tests	APHA 5520 B	Oil and Grease	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	APHA 5530 C	Phenol Concentration	St. 18, Gate 56 Doha / Environmental Section
Environmental Tests	ASTM E415	Chemical composition of steel (30 Elements)	St. 18, Gate 56 Doha / Environmental Section

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 9 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Environmental Tests	ASTM E1014-12(2021)	Acoustics Description, measurement and assessment of environmental Noise – Part 2: Determination of sound pressure levels /Noise MONITORING	St. 18, Gate 56 Doha
Environmental Tests	HACH Method 8000	Chemical Oxygen Demand (3 – 1500 mg/L)	St. 18, Gate 56 Doha / Asphalt Section
Environmental Tests	QG-MOS-01 Method Statement	Air Sensor Guidebo1 1. Nitrogen dioxide NO2 2. Sulfur dioxide SO2 3. Volatile organic compounds VOC 4. Carbon monoxide CO 5. Carbon dioxide CO2 6. Hydrogen sulfide 7. Particulate matter PM2.5, PM10	St. 18, Gate 56 Doha
Geotechnical	ASTM D5607	Standard Test Method for Performing Laboratory Direct Shear Strength Tests of Rock Specimens Under Constant Normal Force	St. 18, Gate 56 Doha
Geotechnical	ASTM D5731	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications	St. 18, Gate 56 Doha
Geotechnical	ASTM D6951	Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications	St. 18, Gate 56 Doha
Geotechnical	ASTM D7012	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures	St. 18, Gate 56 Doha
Geotechnical	ASTM G57	Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	St. 18, Gate 56 Doha
Geotechnical	BS 1377-7, Sec. 4.5.4	Methods of test for soils for civil engineering purposes. Part 7. Shear strength tests (total stress) Sec. 4.5.4 Shearing: single stage tests.	St. 18, Gate 56 Doha
Geotechnical	BS 1377-9, Sec. 3.3, EN ISO 22476-3:2005+A1	Geotechnical investigation and testing. Field testing. Standard penetration test	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 10 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

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Geotechnical	BS 1377-9, Sec. 4.1	Methods of test for Soils for civil engineering purposes Part 9. In-situ tests Sec. 4.1. Determination of vertical deformation and strength characteristics of soil by plate loading test.	St. 18, Gate 56 Doha
Geotechnical	BS 1377-9, Sec. 4.3	Methods of test for Soils for civil engineering purposes Part 9. In-situ tests Sec. 4.3. Determination of In-situ California Bearing Ratio (CBR)	St. 18, Gate 56 Doha
Geotechnical	BS 5930, Sec. 6	Code of practice for ground investigations	St. 18, Gate 56 Doha
Geotechnical	BS 5930, Cl. 22	Code of practice for ground investigations (Sampling of Soil)	St. 18, Gate 56 Doha
Geotechnical	BS 5930, Cl.23	Code of practice for ground investigations (Sampling of Ground Water)	St. 18, Gate 56 Doha
Geotechnical	BS 5930, Cl. 23, 27, 47	Code of practice for ground investigations (Ground Water Level Measurement)	St. 18, Gate 56 Doha
Geotechnical	BS 5930, Cl. 25	Code of practice for ground investigations (Falling Head Permeability Test)	St. 18, Gate 56 Doha
Geotechnical	BS 5930:2015 Cl. 25	Code of practice for ground investigations (Packer Test)	St. 18, Gate 56 Doha
Geotechnical	BS EN ISO 17892-5, Sec. 3	Geotechnical investigation and testing. Laboratory testing of soil. Incremental loading oedometer test Part 5. Compressibility, Permeability and Durability tests Sec. 3. Determination of the one-dimensional consolidation properties	St. 18, Gate 56 Doha
Masonry Blocks and Paving Unit	ASTM C140	Precast, Unreinforced concrete paving blocks - Requirements and Test methods /Measurement of Dimensions of a single Paving Block (Water Absorption for Interlocks)	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 771-3:2011+A1 & BS EN 772-11	Specification for masonry units. Aggregate concrete masonry units (Dense and lightweight aggregates) Methods of test for masonry units. Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units	St. 18, Gate 56 Doha/ Concrete Section

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 11 of 20

IAS/TL-ASHGHAL/100-2



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# SCOPE OF ACCREDITATION

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3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Masonry Blocks and Paving Unit	BS EN 772-1:2011+A1	Methods of test for masonry units. Determination of compressive strength	St. 18, Gate 56 Doha/ Concrete Section
Masonry Blocks and Paving Unit	BS EN 1338, Annex C	Concrete Paving Blocks - Requirements and Test Methods / Measurement of Dimensions of a single block	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 1338, Annex E	Concrete Paving Blocks - Requirements and Test Methods / Determination of Total Water Absorption	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 1338, Annex F	Concrete Paving Blocks - Requirements and Test Methods / Measurement of Strength	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 1339, Annex E	Concrete Paving Flags - Requirements and Test Methods / Determination of Total Water Absorption	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 1339, Annex F	Concrete Paving Flags - Requirements and Test Methods / Measurement of Bonding Strength and Breaking Load	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 1340 Annex C	Concrete kerb units. Requirements and test methods/Measurement of Dimensions of Kerbs	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 1340 Annex E	Concrete kerb units. Requirements and test methods/Water Absorption for Kerbs	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 1340 Annex F	Concrete kerb units —Requirements and test Methods/Measurement of bending strength	St. 18, Gate 56 Doha
Masonry Blocks and Paving Unit	BS EN 6717, Annex B	Precast, Unreinforced concrete paving blocks - Requirements and Test methods /Measurement of Dimensions of a single Paving Block	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 6717, Annex E	Precast, Unreinforced concrete paving blocks - Requirements and Test methods / Method for measuring tensile splitting strength	St. 18, Gate 56 Doha / Concrete Section
Masonry Blocks and Paving Unit	BS EN 13748-1	Terrazzo Tiles. Terrazzo Tiles For Internal Use	St. 18, Gate 56 Doha
NDT	ASTM C805/C805M	Standard Test Method for Rebound Number of Hardened Concrete	St. 18, Gate 56 Doha
NDT	ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 12 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
NDT	ASTM D7091	Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals	St. 18, Gate 56 Doha
NDT	ASTM E1703	Standard Test Method for Measuring Rut-Depth of Pavement Surfaces Using a Straightedge	St. 18, Gate 56 Doha
NDT	BS 1881-204	Testing concrete. Recommendations on the use of electromagnetic covermeters	St. 18, Gate 56 Doha
NDT	BS EN 12504-4	Testing concrete. Determination of ultrasonic pulse velocity	St. 18, Gate 56 Doha
NDT	Microscope Manual	Crack Measurement Microscope	St. 18, Gate 56 Doha
NDT	SOP: ISO/Doc/SOP/ Crack Meas. - Manual Edition 001	Measurement of Crack Width & Monitoring On Site (Manual Method)	St. 18, Gate 56 Doha
Pavement	ASTM D2171	Determination of Viscosity of Asphalt	St. 18, Gate 56 Doha
Pavement	ASTM D95	Water in Petroleum Products and Bituminous Materials by Distillation	St. 18, Gate 56 Doha
Pavement	ASTM D1188	Bulk Specific Gravity and Density Using Coated Samples	St. 18, Gate 56 Doha
Pavement	BS EN 12697 Part 13	Temperature Measurement	St. 18, Gate 56 Doha
Road & Pavement	AASHTO R47	Standard Practice for Reducing Samples of Hot Mix Asphalt (HMA) to Testing Size	St. 18, Gate 56 Doha
Road & Pavement	ASTM D6	Standard Test Method for Loss on Heating of Oil and Asphaltic Compounds	St. 18, Gate 56 Doha
Road & Pavement	ASTM D70	Standard Test Method for Specific Gravity and Density of Semi-Solid Asphalt Binder (Pycnometer Method)	St. 18, Gate 56 Doha
Road & Pavement	ASTM D88	Standard Test Method for Saybolt Viscosity	St. 18, Gate 56 Doha
Road & Pavement	ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D113	Standard Test Method for Ductility of Bituminous Materials	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D140/D140M	Standard Practice for Sampling Asphalt Materials	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 13 of 20

IAS/TL-ASHGHAL/100-2





# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Road and Pavement	ASTM D402/402M	Standard Test Method for Distillation of Cutback Asphalt	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D979/D979M	Standard Practice for Sampling Bituminous Paving Mixtures	St. 18, Gate 56 Doha
Road & Pavement	ASTM D2041/D2041M	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	St. 18, Gate 56 Doha
Road & Pavement	ASTM D2042	Standard Test Method for Solubility of Asphalt Materials in Trichloroethylene or Toluene	St. 18, Gate 56 Doha
Road & Pavement	ASTM D2172/D2172M	Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D2726/D2726M	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures	St. 18, Gate 56 Doha
Road & Pavement	ASTM D2872	Standard Test Method for Effect of Heat and Air on a Moving Film of Asphalt (Rolling- Thin-Film Oven Test)	St. 18, Gate 56 Doha
Road and Pavement	ASTM D2995	Application Rate Bituminous Distributors	Field
Road & Pavement	ASTM D3549/D3549M	Standard Test Method for Thickness or Height of Compacted Asphalt Mixture Specimens	St. 18, Gate 56 Doha
Road and Pavement	ASTM D5361/D5361M	Sampling Compacted Bituminous Mixtures for Laboratory Testing	Field
Road & Pavement	ASTM D5444	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	St. 18, Gate 56 Doha / Asphalt Section
Road and Pavement Test	ASTM D5581	Resistance for Plastic Flow Using Marshall Apparatus (6 in. Diameter Specimen)	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D6307	Standard Test Method for Asphalt Content of Asphalt Mixture by Ignition Method	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D6521	Standard Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)	St. 18, Gate 56 Doha
Road & Pavement	ASTM D6648	Standard Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 14 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Road & Pavement	ASTM D6925	Standard Test Method for Preparation and Determination of the Relative Density of Asphalt Mix Specimens by Means of the Superpave Gyratory Compactor	St. 18, Gate 56 Doha / Asphalt Section
Road and Pavement	ASTM D6926	Preparation of Specimens Using Marshall Apparatus	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D6927	Standard Test Method for Marshall Stability and Flow of Asphalt Mixtures	St. 18, Gate 56 Doha / Asphalt Section
Road and Pavement Test	ASTM D6931	Indirect Tensile (IDT) Strength of Bituminous Mixtures	St. 18, Gate 56 Doha / Asphalt Section
Road and Pavement	ASTM D7173	Standard Practice for Determining the Separation Tendency of Polymer from Polymer Modified Asphalt	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	ASTM D7175	Standard Test Method for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer	St. 18, Gate 56 Doha
Road & Pavement	BS EN 1426, BS 2000-49	Bitumen and bituminous binders. Determination of needle penetration	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	BS EN 12697-1	Bituminous mixtures - Test methods for hot mix asphalt Part 1: Soluble binder content	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	BS EN 12697-2	Bituminous mixtures - Test methods for hot mix asphalt - Part 2: Determination of particle size distribution	St. 18, Gate 56 Doha / Asphalt Section
Road & Pavement	BS EN 12697-6	Bituminous mixtures - Test methods for hot mixes asphalt Part 6: Determination of Bulk Density of Bituminous Specimen	St. 18, Gate 56 Doha
Road & Pavement	BS EN 12697-36	Bituminous mixtures - Test methods for hot mix asphalt - Part 36: Determination of the thickness of a bituminous pavement	St. 18, Gate 56 Doha
Road & Pavement	BS EN 12697-39	Bituminous mixtures. Test methods for hot mix asphalt. Binder content by ignition	St. 18, Gate 56 Doha
Soil	ASTM C702/C702M	Standard Practice for Reducing Samples of Aggregate to Testing Size	St. 18, Gate 56 Doha
Soil	ASTM D422	Standard Test Method for Particle Size Analysis of Soils	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 15 of 20

IAS/TL-ASHGHAL/100-2



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International Accreditation Service, Inc.

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Soil	ASTM D1140	Standard Test Methods for Determining the Amount of Material Finer than 75- $\mu$ m (No. 200) Sieve in Soils by Washing	St. 18, Gate 56 Doha
Soil	ASTM D1556/D1556M	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	St. 18, Gate 56 Doha
Soil	ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft <sup>3</sup> (2,700 kN-m/m <sup>3</sup> ))	St. 18, Gate 56 Doha
Soil	ASTM D1883-16	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils	St. 18, Gate 56 Doha
Soil	ASTM D2216	Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	St. 18, Gate 56 Doha
Soil	ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	St. 18, Gate 56 Doha
Soil	ASTM D4253	Standard Test Methods for Maximum Size Index Density and Unit Weight of Soils Using a Vibratory Table.	St. 18, Gate 56 Doha
Soil	ASTM D4254	Standard Test Methods for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	St. 18, Gate 56 Doha
Soil	ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	St. 18, Gate 56 Doha
Soil	ASTM D4429	Standard Test Method for CBR (California Bearing Ratio) of Soils in Place	St. 18, Gate 56 Doha
Soil	ASTM D4718/D4718M	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	St. 18, Gate 56 Doha
Soil	ASTM D4944	Standard Test Method for Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester.	St. 18, Gate 56 Doha
Soil	ASTM D6913/D6913M	Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	St. 18, Gate 56 Doha
Soil	ASTM D7830/D7830M	Standard Test Method for In-Place Density (Unit Weight) and Water Content of Soil Using and Electromagnetic Soil Density Gauge	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 16 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Soil	BS 1377-2, Sec.3.2	Methods of test for Soils for civil engineering purposes - Part 2: Classification tests; Sec. 3.2 Determination of moisture content by Oven-drying method	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec. 4.3	Methods of test for Soils for civil engineering purposes - Part 2: Classification tests; Sec. 4.3 Cone penetrometer method (definitive method)	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec.4.5	Methods of test for Soils for civil engineering purposes - Part 2: Classification tests; Sec. 4.5 Determination of liquid limit by Casagrande apparatus method	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec.5.0	Methods of test for Soils for civil engineering purposes - Part 2: Classification tests; Sec. 5.0 Determination of the plastic limit and plasticity index	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec. 8.3	Methods of test for Soils for civil engineering purposes Part 2: Classification tests; Sec. 8.3 Small pyknometer method	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec. 8.4	Methods of test for Soils for civil engineering purposes - Part 2: Classification tests; Sec. 8.4 Large pyknometer method	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec. 9.2	Methods of test for Soils for civil engineering purposes - Part 2: Classification tests; Sec. 9.2 Wet sieving method	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec. 9.3	Methods of test for Soils for civil engineering purposes - Part 2: Classification tests; Sec. 9.3 Dry sieving method	St. 18, Gate 56 Doha
Soil	BS 1377-2, Sec.9.5	Methods of test for Soils for civil engineering purposes Part 2. Classification tests; Sec. 9.5 Determination of particle density by sedimentation by the hydrometer method	St. 18, Gate 56 Doha
Soil	BS 1377-4, Sec. 3.5/3.6	Methods of test for Soils for civil engineering purposes Part 4. Compaction related tests Sec. 3. Determination of Dry Density/Moisture content relationship	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 17 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Soil	BS 1377-4, Sec. 7	Methods of test for Soils for civil engineering purposes Part 4. Compaction related tests; Sec. 7. Determination of the California Bearing Ratio (CBR)	St. 18, Gate 56 Doha
Soil	BS 1377-9, Sec. 2.2	Methods of Test for Soils for Civil Engineering Purposes Part 9: In-situ Tests Sec. 2.2 Sand Replacement Method Suitable for Fine, Medium, and Coarse Grained-Soils (Large Pouring Cylinder Method)	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec. 3 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; Sec. 3. Determination of Organic Matter Content	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec. 4 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; Sec. 4.0 Determination of Mass loss in Ignition	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec.5.0 / 5.6 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; Sec. 5.0/5.7 Determination of Sulphate Content of Soil and Ground Water/Ion- exchange Method for Analysis of Water Extract or Ground Water	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec.5.2 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; 5.2 Preparation of Soil and its Acid Extract	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec. 5.3 / 5.5 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; Sec. 5.3. Preparation of soil and its water extract and Sec. 5.5 Gravimetric methods for analysis of acid water extract or ground water.	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 18 of 20

IAS/TL-ASHGHAL/100-2





# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Soil/Chem.	BS 1377-3, Clause 7.3 and 7.6	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; Clause 7. Determination of the carbonate content, Clause 7.2. Preparation of the sample and Clause 7.3. Rapid titration method	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec.7.2 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; Sec. 7.2 Determination of Water Soluble Chloride Content	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec.7.3 / 5.5 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; Sec 7.3/5.5 Determination of Acid-Soluble Chloride Content / Gravimetric method for analysis of acid or water extract or ground water	St. 18, Gate 56 Doha
Soil/Chem.	BS 1377-3, Sec. 9.0 (1990)	Methods of test for Soils for civil engineering purposes Part 3. Chemical and electro-chemical tests; 9. Determination of the pH value	St. 18, Gate 56 Doha
Steel	ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products	St. 18, Gate 56 Doha
Steel	ASTM A1061	Steel for the reinforcement and prestressing of concrete. Test methods - Prestressing steel	St. 18, Gate 56 Doha
Steel	BS 4449:2005+A3	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification (bent Test)	St. 18, Gate 56 Doha
Steel	BS 4449:2005+A3	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification (Rebend Test)	St. 18, Gate 56 Doha
Steel	BS EN 10002-1, ISO 6892-1	Metallic materials. Tensile testing. Part 1: Method of test at room temperature	St. 18, Gate 56 Doha
Thermoplastic-Road marking	ASTM E1710	Standard Test Method for Measurement of Retroreflective Pavement Marking Materials with CEN-Prescribed Geometry Using a Portable Retroreflectometer	St. 18, Gate 56 Doha

TL-452

**QATAR GEOTECHNICAL & ENVIRONMENTAL CO**

Effective Date August 12, 2025

Page 19 of 20

IAS/TL-ASHGHAL/100-2



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Thermoplastic-Road marking	BS 3262 Part 1-Ap. J	Hot-applied thermoplastic road marking materials - Specification for constituent materials and mixtures /Measurement of Skid Resistance	St. 18, Gate 56 Doha
Thermoplastic-Road marking	BS 3262 Part 3-Ap. B	Hot-applied thermoplastic road marking materials - Specification for constituent materials and mixtures/Dry Film Thickness	St. 18, Gate 56 Doha

