



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

INDUSTRIAL AREA, ZONE 57, STREET NO.41, GATE NO.471, P.O.BOX:19579
DOHA, QATAR

Testing Laboratory TL-343

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 March 26, 2025



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

www.aces-int.com

Contact Name Ghaleb Al Zubi

Contact Phone +974-44870161

Accredited to ISO/IEC 17025:2017

Effective Date March 26, 2025

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Aggregate	AASHTO T84	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Street 41/Aggregate Testing Lab
Aggregate	AASHTO T85	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Street 41/Aggregate Testing Lab
Aggregate	ASHTO T96	Standard Test Method for (Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine)	Street 41/Aggregate Testing Lab
Aggregate	AASHTO T104	Soundness of Aggregates by Use of Magnesium Sulfate	Street 41/Aggregate Testing Lab
Aggregate	AASHTO T112	Standard Test Method for Clay Lumps and Friable Particles in Aggregates (Clay Lumps and Friable Particles in Aggregates)	Street 41/Aggregate Testing Lab
Aggregate	AASHTO T176	Standard Test Method for (Sand Equivalent Value of Soils and Fine Aggregate)	Street 41/Aggregate Testing Lab
Aggregate	AASHTO T304 Method A	Standard Test Methods for (Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading))	Street 41/Aggregate Testing Lab
Aggregate	ASTM C88	Soundness of Aggregates by Use of Magnesium Sulfate	Street 41/Aggregate Testing Lab
Aggregate	ASTM C117	Standard Test Method for (Material Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregate by Washing)	Street 41/Aggregate Testing Lab
Aggregate	ASTM C123/C123M	Lightweight particles in Aggregate	Street 41/Aggregate Testing Lab
Aggregate	ASTM C127	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Street 41/Aggregate Testing Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 2 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Aggregate	ASTM C128	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Street 41/Aggregate Testing Lab
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)	Street 41/Aggregate Testing Lab
Aggregate	ASTM C136	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates (Particle Size Distribution)	Street 41/Aggregate Testing Lab
Aggregate	ASTM C142/ C142M	Standard Test Method for Clay Lumps and Friable Particles in Aggregates (Clay Lumps and Friable Particles in Aggregates)	Street 41/Aggregate Testing Lab
Aggregate	ASTM C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Street 41/Aggregate Testing Lab
Aggregate	ASTM C566	Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying	Street 41/Aggregate Testing Lab
Aggregate	ASTM C702/C702M	Standard Practice for Reducing Samples of Aggregate to Testing Size	Street 41/Aggregate Testing Lab
Aggregate	ASTM C1252	Standard Test Methods for (Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading))	Street 41/Aggregate Testing Lab
Aggregate	ASTM D75/D75M	Standard Practice for Sampling Aggregates	Street 41/Aggregate Testing Lab
Aggregate	ASTM D2419	Standard Test Method for (Sand Equivalent Value of Soils and Fine Aggregate)	Street 41/Aggregate Testing Lab
Aggregate	ASTM D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	Street 41/Aggregate Testing Lab
Aggregate	ASTM D5444	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	Street 41/Aggregate Testing Lab
Aggregate	ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate	Street 41/Aggregate Testing Lab
Aggregate	BS 812-2 CL 5.3	Particle Density and Water Absorption (All Larger than 10mm Aggregate)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-2 CL 5.4	Particle Density and Water Absorption (5-40mm Aggregate)	Street 41/Aggregate Testing Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 3 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Aggregate	BS 812-2 CL 5.5	Particle Density and Water Absorption (10mm Aggregate and Smaller)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-102	Sampling of Aggregate	Street 41/Aggregate Testing Lab
Aggregate	BS 812-103.1-7.2	Particle Size Distribution (Wet)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-103.1-7.3	Particle Size Distribution (Dry)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-105.1	Method Of Determination of Particle Shape (Flakiness Index)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-105.2	Method Of Determination of Particle Shape (Elongation Index)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-109 CL 6	Testing aggregates - Methods for determination of moisture content (Oven Drying)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-110	Testing aggregates (Methods Determination of Aggregate Crushing Value)	Street 41/Aggregate Testing Lab
Aggregate	BS 812-111	Determination of Ten Percent Value	Street 41/Aggregate Testing Lab
Aggregate	BS 812-112	Determination of Aggregate Impact Value	Street 41/Aggregate Testing Lab
Aggregate	BS EN 932-1	Tests for general properties of aggregates. (Methods for sampling)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 932-2	Tests for general properties of aggregates. (Methods for reducing laboratory samples)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 933-1	Tests for geometrical properties of aggregates - Determination of particle size distribution — Sieving method (Particle Size Distribution)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 933-1	Tests for geometrical properties of aggregates - Determination of particle size distribution — Sieving method (Material Finer than 0.075mm)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 933-1 CL A.4.4	Tests for geometrical properties of aggregates - Determination of particle size distribution — Sieving method (Material Finer than 0.063mm)	Street 41/Aggregate Testing Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 4 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Aggregate	BS EN 933-3	Determination of particle shape — Flakiness index	Street 41/Aggregate Testing Lab
Aggregate	BS EN 933-4	Tests for geometrical properties of aggregates Determination of particle shape. Shape index	Street 41/Aggregate Testing Lab
Aggregate	BS EN 933-7	Determination of shell content. Percentage of shells in coarse aggregates	Street 41/Aggregate Testing Lab
Aggregate	BS EN 933-8	Assessment of fines — Sand equivalent test	Street 41/Aggregate Testing Lab
Aggregate	BS EN 1097-1 (QCS 2014 Section 29)	Determination of the resistance to wear (micro-Deval)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 1097-2 CL 5	Tests for mechanical and physical properties of aggregates (Determination of resistance to fragmentation by the Los Angeles test method)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 1097-3	Tests for mechanical and physical properties of aggregates (Determination of loose bulk density and voids)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 1097-6	Determination of particle density and water absorption of Aggregate	Street 41/Aggregate Testing Lab
Aggregate	BS EN 1367-2	Tests for thermal and weathering properties of aggregates. (Magnesium sulphate test)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 1367-4	Tests for thermal and weathering properties of aggregates (Determination of Drying shrinkage)	Street 41/Aggregate Testing Lab
Aggregate	BS EN 12697-2	Determination of Particle Size Distribution	Street 41/Aggregate Testing Lab
Asphalt	AASHTO PP60	Standard Test Method for Preparation and Determination of the Relative Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	Street 41/Asphalt section
Asphalt	AASHTO PP61	Developing Dynamic Modulus Master Curves Using AMPT	Street 41/Asphalt section
Asphalt	AASHTO R30	Mixture Conditioning of Hot-Mix Asphalt (HMA),	Street 41/Asphalt section
Asphalt	AASHTO R47	Practice for Reducing Samples of Hot Mix Asphalt (HMA) to Testing Size.	Street 41/Asphalt section
Asphalt	AASHTO R83L	Preparation of Cylindrical Performance Test Specimens Using the Superpave Gyratory Compactor (SGC)	Street 41/Asphalt section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 5 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Asphalt	AASHTO T 407-23	Standard Method of Test for Determining the Interlayer Shear Strength (ISS) of Asphalt Pavement Layers	Street 41/Asphalt section
Asphalt	AASHTO T166 - Method A	Bulk Specific Gravity () of Compacted Hot Mix Asphalt (HMA) Using Saturated Surface-Dry Specimens	Street 41/Asphalt section
Asphalt	AASHTO T209 - Method A	Standard Method of Test for Theoretical Maximum Specific Gravity (Gmm) and Density of Hot Mix Asphalt (HMA) Maximum Specific Gravity (Gmm)	Street 41/Asphalt section
Asphalt	AASHTO T283	Resistance of compacted hot mix asphalt (HMA) to moisture - induced damage.	Street 41/Asphalt section
Asphalt	AASHTO T312	Test for Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	Street 41/Asphalt section
Asphalt	AASHTO T324	Humblot hamburg wheel tracker test	Street 41/Asphalt section
Asphalt	AASHTO TP79	Dynamic Modulus and Flow Number for Hot Mix Asphalt (HMA)	Street 41/Asphalt section
Asphalt	ASTM D545 CL 7.5	Standard Test Methods for Preformed Expansion Joint Fillers for Concrete Construction (Nonextruding and Resilient Types) 7.5, Asphalt Content	Street 41/Asphalt section
Asphalt	ASTM D546	Standard Test Method for Sieve Analysis of Mineral Filler for Bituminous Paving Mixtures	Street 41/Asphalt section
Asphalt	ASTM D979/D979M	Standard Practice for Sampling Bituminous Paving Mixtures	Street 41/Asphalt section
Asphalt	ASTM D1188	Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples	Street 41/Asphalt section
Asphalt	ASTM D2041/D2041M	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	Street 41/Asphalt section
Asphalt	ASTM D2172	Quantitative Extraction of bitumen from bituminous paving mixtures	Street 41/Asphalt section
Asphalt	ASTM D2726/D2726M	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	Street 41/Asphalt section
Asphalt	ASTM D3203/D3203M	Standard Test Method for Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	Street 41/Asphalt section
Asphalt	ASTM D3549/D3549M	Thickness of Asphalt Specimen	Street 41/Asphalt section
Asphalt	ASTM D4867/D4867M	Resistance of compacted hot mix asphalt (HMA) to moisture - induced damage.	Street 41/Asphalt section
Asphalt	ASTM D5361/D5361M	Standard Practice for Sampling Compacted Bituminous Mixtures for Laboratory Testing	Street 41/Asphalt section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 6 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Asphalt	ASTM D5404	Standard Practice for Recovery of Asphalt from Solution Using the Rotary Evaporator	Street 41/Asphalt section
Asphalt	ASTM D5581	Resistance to Plastic Flow Using Marshall Apparatus (6 in. Specimen)	Street 41/Asphalt section
Asphalt	ASTM D6084	Standard Test Method for Elastic Recovery of Asphalt Materials by Durometer	Street 41/Asphalt section
Asphalt	ASTM D6307	Standard Test Method for Asphalt Content of Hot-Mix Asphalt by Ignition Method	Street 41/Asphalt section
Asphalt	ASTM D6752/D6752M	Bulk Specific gravity of Compacted Bituminous samples	Street 41/Asphalt section
Asphalt	ASTM D6857/D6857M	Maximum Specific Gravity and Density of Bituminous Paving Mixtures Using Automatic Vacuum Sealing Method	Street 41/Asphalt section
Asphalt	ASTM D6925	Test for Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	Street 41/Asphalt section
Asphalt	ASTM D6926	Standard Practice for Preparation of Bituminous Specimens Using Marshall Apparatus	Street 41/Asphalt section
Asphalt	ASTM D6927	Standard Test Method for Marshall Stability and Flow of Bituminous Mixtures	Street 41/Asphalt section
Asphalt	ASTM D6931	Standard Test Method for Indirect Tensile (IDT) Strength of Bituminous Mixtures	Street 41/Asphalt section
Asphalt	ASTM D7227/ D7227	Rapid Drying of Compacted Asphalt Specimens Using Vacuum Drying Apparatus.	Street 41/Asphalt section
Asphalt	ASTM E965	Measuring Pavement Macrotexture Depth Using a Volumetric Technique	Street 41/Asphalt section
Asphalt	BS EN 12697-1 Annex B.1.5	Bituminous mixtures — Test methods for hot mix asphalt (Soluble Binder Content)	Street 41/Asphalt section
Asphalt	BS EN 12697-5 Proc. B	Bituminous mixtures -Test methods for hot mix asphalt Determination of Maximum Density (Hydrostatic procedure)	Street 41/Asphalt section
Asphalt	BS EN 12697-6	Bituminous mixtures — Test methods for hot mix asphalt (Determination of Bulk Density of Bituminous Material)	Street 41/Asphalt section
Asphalt	BS EN 12697-13	Temperature measurement	Street 41/Asphalt section
Asphalt	BS EN 12697-23	Determination of the indirect tensile strength of bituminous specimens	Street 41/Asphalt section
Asphalt	BS EN 12697-28	Preparation of Samples for Determining Binder Content, Water Content & Grading	Street 41/Asphalt section
Asphalt	BS EN 12697-29	Bituminous mixtures — Test methods for hot mix asphalt (Determination of dimensions of Bituminous Specimens)	Street 41/Asphalt section
Asphalt	BS EN 12697-35	Bituminous mixtures -Test methods for hot mix asphalt (Laboratory Mixing)	Street 41/Asphalt section
Asphalt	BS EN 12697-39	Binder Content by Ignition	Street 41/Asphalt section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 7 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Asphalt	QCS 2014 CL 06-05 Paragraph 16	Retained Stability (Per ASTM D6927 or ASTM D5581)	Street 41/Asphalt section
Asphalt	SP-2 & AASHTO R35	Standard Practice for Superpave Volumetric Design for Asphalt Mixtures (Superpave Mix Design)	Street 41/Asphalt section
Building Acoustics	BS EN ISO 140-3	Laboratory measurement of airborne sound insulation of building elements	Street 41/Main Lab
Building Acoustics	BS EN ISO 140-4	Field measurements of airborne sound insulation between rooms	Street 41/Main Lab
Cementitious Materials	ASTM C109/C109M	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50- mm] Cube Specimens)	Street 41/Cement Section
Cementitious Materials	ASTM C151/C151M	Autoclave Expansion of Hydraulic Cement	Street 41/Cement Section
Cementitious Materials	ASTM C183/C183M	Sampling and the Amount of Testing of Hydraulic Cement	Street 41/Cement Section
Cementitious Materials	ASTM C185	Standard Test Method for Air Content of Hydraulic Cement Mortar	Street 41/Cement Section
Cementitious Materials	ASTM C187	Standard Test Method for Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	Street 41/Cement Section
Cementitious Materials	ASTM C188	Standard Test Method for Density of Hydraulic Cement	Street 41/Cement Section
Cementitious Materials	ASTM C191	Time of Setting of Hydraulic Cement by Vicat Needle	Street 41/Cement Section
Cementitious Materials	ASTM C204 Method A	Standard Test Methods for Fineness of Hydraulic Cement by Air-Permeability Apparatus	Street 41/Cement Section
Cementitious Materials	ASTM C311/C311M CL 11-13	Standard Test Methods for Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland- Cement Concrete (Moisture Content)	Street 41/Cement Section
Cementitious Materials	ASTM C311/C311M CL 19	Standard Test Method for Density of Hydraulic Cement	Street 41/Cement Section
Cementitious Materials	ASTM C311/C311M CL 20	Standard Test Method for Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	Street 41/Cement Section
Cementitious Materials	ASTM C311/C311M CL 29	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50- mm] Cube Specimens)	Street 41/Cement Section
Cementitious Materials	ASTM C311/C311M CL 34	Standard Test Method for Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	Street 41/Cement Section
Cementitious Materials	ASTM C349	Compressive Strength of Hydraulic-Cement Mortars (Using Portions of Prisms Broken in Flexure)	Street 41/Cement Section
Cementitious Materials	ASTM C430	Standard Test Method for Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	Street 41/Cement Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 8 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Cementitious Materials	ASTM C989-Appendix XI	Compressive Strength for ground Granulated Blast Furnace slag	Street 41/Cement Section
Cementitious Materials	ASTM C1012/C1012M	Standard Test Method for Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	Street 41/Cement Section
Cementitious Materials	ASTM C1240-15	Pozzolanic Activity Test	Street 41/ Cement Section
Cementitious Materials	ASTM C1437	Standard Test Method for Flow of Hydraulic Cement Mortar	Street 41/Cement Section
Cementitious Materials	ASTM D5759	Characterization of fly ash for potential uses	Street 41/Cement Section
Cementitious Materials	BS 1924-2 CL 2.1.5	Stabilized materials for civil engineering purposes Part 2: Methods of test for cement-stabilized and lime- stabilized materials 'Method using vibratory compaction'	Street 41/Cement Section
Cementitious Materials	BS 1924-2 CL 4.2 & 4.3	Stabilized materials for civil engineering purposes Part 2: Methods of test for cement-stabilized and lime- stabilized materials 'Determination of the compressive strength of cubic specimens'	Street 41/Cement Section
Cementitious Materials	BS EN 196-1	Methods of testing cement (Determination of Strength)	Street 41/Cement Section
Cementitious Materials	BS EN 196-3:2005 + A1 CL 6 and Annex A	Methods of testing cement, Determination of setting times and soundness (Determination of Setting Time of cement)	Street 41/Cement Section
Cementitious Materials	BS EN 196-3 CL 7	Determination of Soundness of cement	Street 41/Cement Section
Cementitious Materials	BS EN 196-6	Determination of Fineness of cement	Street 41/Cement Section
Cementitious Materials	BS EN 196-7	Taking and Preparing Samples of Cement	Street 41/Cement Section
Chemistry (Soil, Aggregate, Concrete, Cement)	ASTM C40/C40M	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	ASTM C289	Standard Test Method for Potential Alkali-Silica Reactivity of Aggregates (Chemical Method)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	ASTM C494/494 CL 18.2-16	Standard Specification for Chemical Admixtures for Concrete (Oven Dry Residue of Admixture)	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 9 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Chemistry (Soil, Aggregate, Concrete, Cement)	ASTM C494/494 CL 18.4-16	Standard Specification for Chemical Admixtures for Concrete (Specific gravity of Admixture)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	ASTM C1152/C1152M	Acid Soluble Chloride in Concrete	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	ASTM C1218	Water Soluble Chloride in Concrete	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 812-117	Determination of Water	Street 41/ Chemical Section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 812-117 App. C	Determination of Chloride Content (Acid Extract)	Street 41/Chemical Section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 812-118	Determination of Sulphate Content	Street 41/Chemical Section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1377-3 CL 4	Determination of the organic matter content	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1377-3 CL 7.3	Methods of test for Soils for civil engineering purposes — Chemical and electro- chemical tests (Determination of sulphate content of soil- Water Soluble Extract)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1377-3 CL 7.9	Determination of sulphate content of soil- Acid Soluble Extract	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 10 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1377-3 CL 8	Methods of test for Soils for civil engineering purposes — Chemical and electro-chemical tests (Determination of the carbonate content)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1377-3 CL 12.5	Methods of test for Soils for civil engineering purposes — Chemical and electro- chemical tests (Determination of the pH value)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1377-3 CL 9.2	Methods of test for Soils for civil engineering purposes — Chemical and electro- chemical tests (Determination of water- soluble chloride content)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1377-3 CL 9.3	Methods of test for Soils for civil engineering purposes — Chemical and electro- chemical tests (Determination of acid- soluble chloride content)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1881-124 CL 12.1	Determination of chloride content	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS 1881-124 CL 12.2	Determination of sulphate content	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2	Chemical analysis for cement	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.4.1	Determination of loss on ignition	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.4.2	Method of testing cement Chemical analysis of cement (Determination of sulfate)	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 11 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.4.3	Method of testing cement Chemical analysis of cement (Determination of residue insoluble in hydrochloric acid and sodium carbonate)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.5	Decomposition with hydrochloric acid and ammonium chloride and precipitation of silica (alternative method)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.6	Determination of pure silica	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.10	Method of testing cement Chemical analysis of cement (Determination of Ferric Oxide Content)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.11	Method of testing cement Chemical analysis of cement (Determination of Aluminum Oxide Content)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.14	Determination of calcium oxide by EDTA (alternative method)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.15	Determination of magnesium oxide by EDTA (alternative method)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.16	Method of testing cement Chemical analysis of cement (Chloride Content)	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 4.5.19	Method of testing cement. Chemical analysis of cement (Alkalies Content)	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 12 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2-CL 13.2&3	Impure Silica Content	Street 41/ Chemical Section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 196-2 CL 13.9	Total Silica Content	Street 41/ Chemical Section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 933-9+A1	Tests for geometrical properties of aggregates- Assessment of fines- Methylene blue test	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 1744-1 CL 12+A1	Determination of acid soluble sulphates	Street 41/ Chemical section
Chemistry (Soil, Aggregate, Concrete, Cement)	BS EN 1744-5	Tests for chemical properties of aggregates (Determination of acid soluble chloride content)	Street 41/ Chemical section
Concrete	ASTM C31/C31M	Making and Curing of Concrete Tests Specimen	Street 41/Concrete Section
Concrete	ASTM C39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	Street 41/Concrete Section
Concrete	ASTM C42	Obtaining and Testing of Drilled Cores and Sawed Beams	Street 41/Concrete Section
Concrete	ASTM C138/C138M	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Street 41/Concrete Section
Concrete	ASTM C143/C143M	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	Street 41/Concrete Section
Concrete	ASTM C172/C172M	Standard Practice for Sampling Freshly Mixed Concrete (Sampling of Fresh Concrete)	Street 41/Concrete Section
Concrete	ASTM C192/C192M	Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory	Street 41/Concrete Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 13 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Concrete	ASTM C231/C231M	Standard Test Method for Air Content Test for Fresh Concrete by Pressure Method, (Type B)	Street 41/Concrete Section
Concrete	ASTM C232/C232M	Standard Test Methods for Bleeding of Concrete	Street 41/Concrete Section
Concrete	ASTM C617/C617M	Capping of Concrete Cylindrical Specimen	Street 41/Concrete Section
Concrete	ASTM C1064/C1064M	Test for Temperature of Fresh Concrete	Street 41/Concrete Section
Concrete	ASTM C1202	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration (Resistance to Chloride Ion Penetration (RCP))	Street 41/Concrete Section
Concrete	ASTM C1231/C1231M	Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	Street 41/Concrete Section
Concrete	ASTM C1385/C1385M	Sampling of Shotcrete	Street 41/Concrete Section
Concrete	ASTM C1604/C1604M-	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete	Street 41/Concrete Section
Concrete	ASTM C1611/C1611M	Slump Flow of Self- Consolidating Concrete	Street 41/Concrete Section
Concrete	ASTM C1621/C1621M	Standard Test Method for Passing Ability of Self- Consolidating Concrete by J-Ring	Street 41/Concrete Section
Concrete	ASTM C1688/C1688M	Density Determination of Pervious Concrete	Street 41/Concrete Section
Concrete	ASTM C1701/C1701M	Infiltration Test for In place Pervious Concrete	Street 41/Concrete Section
Concrete	BS 1881-122	Method of Determination of Water Absorption	Street 41/Concrete Section
Concrete	BS 1881-208	Initial Surface Absorption (ISAT)	Street 41/Concrete Section
Concrete	BS EN 12350-1	Testing fresh concrete (Sampling of Fresh Concrete)	Street 41/Concrete Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 14 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Concrete	BS EN 12350-2	Testing fresh concrete (Slump Test of Fresh Concrete)	Street 41/Concrete Section
Concrete	BS EN 12350-4	Testing fresh concrete (Degree of compatibility)	Street 41/Concrete Section
Concrete	BS EN 12350-5	Testing fresh concrete (Flow Table Test)	Street 41/Concrete Section
Concrete	BS EN 12350-6	Testing fresh concrete (Testing fresh concrete Density)	Street 41/Concrete Section
Concrete	BS EN 12350-7	Testing fresh concrete (Testing fresh concrete Air content. Pressure methods)	Street 41/Concrete Section
Concrete	BS EN 12350-8	Slump Flow Test for self compacted Concrete	Street 41/Concrete Section
Concrete	EN 12350-9	V-Funnel Test for self Compaction Concrete	Street 41/Concrete Section
Concrete	BS EN 12350-10	L- Box Shap Test for Self Compaction Concrete	Street 41/Concrete Section
Concrete	BS EN 12350-11	Sieve Segregation test for Self Compaction Concrete	Street 41/Concrete Section
Concrete	BS EN 12390-1	Shape and Dimensions of Specimen	Street 41/Concrete Section
Concrete	BS EN 12390-2	Making and Curing of Specimen for Strength Test	Street 41/Concrete Section
Concrete	BS EN 12390-3 Annex B	Compressive Strength of Test Specimens	Street 41/Concrete Section
Concrete	BS EN 12390-5 Annex A	Testing hardened concrete (Flexural strength of test specimens)	Street 41/Concrete Section
Concrete	BS EN 12390-6	Testing hardened concrete (Tensile splitting strength of test specimens)	Street 41/Concrete Section
Concrete	BS EN 12390-7	Density of Hardened Concrete	Street 41/Concrete Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 15 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Concrete	BS EN 12390-8	Water Penetration Test	Street 41/Concrete Section
Concrete	EN 12504-1 (E)	Obtaining and Testing of Drilled Cores	Street 41/Concrete Section
Concrete	DIN 1048-5	Method of determination of Water Penetration	Street 41/Concrete Section
Concrete	EN 14636-2:2009 Annex C	Plastics piping systems for non-pressure drainage and sewerage — Polyester resin concrete (PRC), Part 2: Manholes and inspection Chambers, Annex C - Test method for the determination of the vertical crushing strength of slabs or tapers	Street 41/Main Lab
Concrete	EN 14636-2:2009 Annex F	Plastics piping systems for non-pressure drainage and sewerage — Polyester resin concrete (PRC), Part 2: Manholes and inspection Chambers, Annex F - Method for the assessment of the leak-tightness of a manhole or inspection chamber and its joints under short term exposure to internal water pressure and negative pressure	Street 41/Main Lab
Concrete	EN 14636-2:2009 Annex G	Plastics piping systems for non-pressure drainage and sewerage — Polyester resin concrete (PRC), Part 2: Manholes and inspection Chambers, Annex G - Test method for the determination of the long-term crushing strength (50 years evaluation point) of a chamber ring or a shaft ring, including the effects of media attack	Street 41/Main Lab
Concrete	NT Build 492	Chloride Migration Coefficient / Chloride Penetration Test	Street 41/Concrete Section
Concrete	QCS2014 CL5-6	Concrete Temperature Monitoring by using Thermocouples	Street 41/Concrete Section
Cosmetics	ACES in-house method (Chloroform Extraction).	Determination of paraphenylenediamine in cosmetics products	Street 41/Chemical Section
Cosmetics	ACES In-house Method SOP63	Determination of formaldehyde in cosmetics by acetyl acetone method	Street 41 / Chemical section
Cosmetics	ACES In-house Method SOP60	Determination of 1,4-Dioxane in cosmetics by headspace Gas Chromatography/Mass Spectrometry (GC/MS)	Street 41 / Chemical section
Cosmetics	AOAC Official Method 951.04	Chlorides in Deodorants Gravimetric Method	Street 41 / Chemical section
Cosmetics	AOAC Official Method 951.05	Sulfates in Deodorants Gravimetric Method	Street 41 / Chemical section
Dimension Stone	ASTM C97/C97M	Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone	Street 41/ Durability Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 16 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Dimension Stone	ASTM C99/C99M	Standard Test Method for Modulus of Rupture of Dimension Stone	Street 41/ Durability Section
Dimension Stone	ASTM C170/C170M	Compressive Strength of Dimension Stone	Street 41/ Durability Section
Dimension Stone	ASTM C880/C880M	Standard Test Method for Flexural Strength of Dimension Stone	Street 41/ Durability Section
Dimension Stone	ASTM C1353/ C1353M	Standard Test Method for Abrasion Resistance of Dimension Stone Subjected to Foot Traffic Using a Rotary Platform, Double- Head Abraser	Street 41/ Durability Section
Dimension Stone	ASTM D4060	Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser	Street 41/ Durability Section
Dimension Stone	BS EN 1926: Annex A	Natural stone test methods (Determining the compressive strength of stones)	Street 41/ Durability Section
Dimension Stone	BS EN 14157 Method A	Natural stones — Determination of (Abrasion Resistance)	Street 41/ Durability Section
Dimension Stone	EN 1341 CL 4.5	Natural stones — Determination of (Abrasion Resistance)	Street 41/ Durability Section
Dimension Stone	QCS 2014 CL 6 & CL 13.3.4	Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser	Street 41/ Durability Section
Electrical Safety	BS EN 60335-2-23	Household and similar electrical appliances Safety-Particular requirements for appliances for skin or hair care (Clauses 7 and 28 only)	Street 41/
Electrical Safety	BS EN 60335-2-80	Household and similar electrical appliances – Safety – Part 2-80: Particular requirements for fans (Clauses 7 and 28 only)	Street 41/
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2120C	Spectrophotometric— Single-Wavelength Method (PROPOSED) (Color)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2130 B	Nephelometric Method (Turbidity)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2320 B	Alkalinity by Titration Method	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2320 B	Titration Method (Bicarbonate)	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 17 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2320 B	Titration Method (Carbonate)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2320 B	Titration Method (Phenolphthalein Alkalinity)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2340 C	Hardness by EDTA Titrimetric Method	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2510 B	Conductivity by Laboratory Method	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2520B	Electrical Conductivity Method (salinity)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2540-B	Total Solids Dried at 103– 105°C (Total Solids)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2540 C	Total Dissolved Solids Dried at 180 oC (TDS)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2540- C&E	Total Volatile Dissolved Solids (TVDS)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2540-D	Total Suspended Solids Dried at 103–105°C (Total Suspended Solids (TSS))	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 18 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 2540-D&E	Total Volatile Suspended Solids (TVSS)	Street 41/ Chemical section
Environmental Chemistry – Water - Wastewater and Soil	APHA/AWWA 24 th Ed. 2540-F	Settleable Solids	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA, SM, 24 th Ed., 2540-G	Sludge Weight	Street 41/ Chemical Section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA, SM, 24 th Ed., 2710-C	Sludge Volume	Street 41/ Chemical Section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA, SM, 24 th Ed., 2710-C	Sludge Volume Index	Street 41/ Chemical Section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA, 24 th Ed. 3120-B	Antimony	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA, 24 th Ed., 3120-B	Arsenic	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA, 24 th Ed., 3120-B	Beryllium	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120- B	Calcium	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 19 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120-B	Chromium(VI)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120- B	Magnesium	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed. 3120-B	Molybdenum	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120-B	Phosphorous	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120- B	Potassium	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120-B	Selenium	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120-B	Silicon	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120- B	Sodium	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120-B	Sulfur	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 20 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3120-B	Titanium	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed. 3120-B	Vanadium	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	AAPHA/AWWA 24 th Ed., 3120-B Heavy Metal Analysis by ICP, 3110-B Heavy Metal	ICP Heavy Metal Concentrations: Aluminum (Al), Barium (Ba), Bismuth (Bi), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Gallium (Ga), Indium (I), Iron (Fe), Lead (Pb), Lithium (Li), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Potassium, Silver (Ag) Thallium (Ti) Zinc (Zn)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3500-Ca-B	EDTA Titrimetric Method (Calcium)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed. 3500-Cr B,	Chromium (VI)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 3500-Mg-B	Magnesium Concentration by Calculation	Street 41/ Chemical section
Environmental Chemistry – Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4110-B & P	Determination of Sulphate SO ₄ , Bromide Br, Nitrate NO ₃ , Nitrite NO ₂ , Fluoride F, Chloride, Phosphate	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4110-B & D,	Bromate	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4110-B & D	Chlorate, Chlorite	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 21 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500-B & C	Phosphorous (Total)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500-CI B	(Chloride by Argentometric Method)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500-CI G	DPD Colorimetric Method (Total Chlorine)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500-CI G	DPD Colorimetric Method (Residual Chlorine)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500-CN C&F	Cyanide	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500 H+ B	pH VALUE	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500 NH3 B & C	Ammonia Nitrogen	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500-NO2B	Colorimetric Method (Nitrite Nitrogen)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500-NO3E	Cadmium Reduction Method (Nitrate Nitrogen)	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 22 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500 Norg C	Semi-Micro-Kjeldahl Method (Total Kjeldahl Nitrogen)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500 Norg C	Semi-Micro-Kjeldahl Method (Total Organic Nitrogen)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed. 4500-O G	Dissolved Oxygen	Street 41/ Chemical Section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500 P B, C	Acid Colorimetric Method (Phosphate)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500- S2 F	Iodometric Method (Sulphide)	Street 41/ Chemical section
Environmental Chemistry – Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500- SiO ₂ -C, 22P and P	Total Silicates	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 4500- SO ₄ E	Turbidimetric Method (Sulphate)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 5210B & 4500- OG	Biochemical Oxygen Demand (BOD)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 5220 D	Closed Reflux, Colorimetric Method (Chemical Oxygen Demand (COD))	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 23 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry – Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 5310-B	Total Organic Carbon (TOC)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 5520 B	Oil & Grease	Street 41/ Chemical section
Environmental Chemistry – Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 5530 B&C, P	Phenol Concentrations	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	APHA/AWWA 24 th Ed., 6200 Volatile Organic Compounds	Organic Hydrocarbon	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	BS 1377-3 CL 5.4	Determination of the sulphate content of ground water	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	BS 1377-3 CL 8	Determination of total dissolved solids	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	BS 1377-3 CL 12	Determination of the pH value	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	BS EN ISO 10523	Water quality (Determination of pH)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	ISO 4316 EI	Determination of pH of aqueous solutions - Potentiometric method	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 24 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Environmental Chemistry - Water - Wastewater and Soil	US EPA 6010C/3005A	Aluminum (Al), Barium (Ba), Bismuth (Bi), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Gallium (Ga), Indium (I), Iron (Fe), Lead (Pb), Lithium (Li), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Potassium (K), Silver (Ag), Sodium (Na), S	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	US EPA 6010C/3050B	Aluminum (Al), Barium (Ba), Bismuth (Bi), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Gallium (Ga), Indium (I), Iron (Fe), Lead (Pb), Lithium (Li), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Potassium (K), Silver (Ag), Sodium (Na), S	Chemistry Lab
Environmental Chemistry - Water - Wastewater and Soil	US EPA 8015D/1664B/9071B	TPH ((GRO (Gasoline rang organic),DRO (Diesel rang organic),Heavy fraction))	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	US EPA 8260C/5030/5035	VOC (volatile organic compound)	Street 41/ Chemical section
Environmental Chemistry - Water - Wastewater and Soil	US EPA 8270D	SVOC (Simi volatile organic compound)	Street 41/ Chemical section
Environmental Monitoring	ISO 1996-2	Noise	In-Situ
Environmental Monitoring	SOP-For AIR Quality	Ambient Air quality Monitoring	In-Situ
Environmental Monitoring	Stack Emission USEPA Method 1,2,3,4 & 5	Method 1— Sample and Velocity Traverses for Stationary Sources Method 2—Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube) Method 3 - Gas Analysis for the Determination of Dry Molecular Weight METHOD 4— DETERMINATION OF MOISTURE CONTENT IN STACK GASES Method 5 - Particulate Matter (PM)	Site test
Environmental Monitoring	Stack Emission USEPA Method 25A	Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer	Site test
Environmental Monitoring	Testo 350 SOP	Stack emission	In-Situ
Environmental Monitoring	SOP-0129	Indoor Air Quality Monitoring	Site test

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 25 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Fertilizers	AOAC 958.01	Phosphorus in Fertilizers	Street 41 / Chemical section
Fertilizers	AOAC 971.01	Potassium in Fertilizers	Street 41 / Chemical section
Fertilizers	Danish Chemical Society 1983	Total Nitrogen in Fertilizers	Street 41 / Chemical section
Food	BS EN 1186-1:2002	Guide to the selection and conditions and test methods of Overall migration	Street 41 / Chemical section
Food	BS EN 11863	Determination of the overall Migration into aqueous food simulants by total Immersion	Street 41 / Chemical section
Food	BS EN 11869:2002	Determination of the overall Migration into aqueous food simulants – By Article Filling	Street 41 / Chemical section
Food	CCFRA 3.1.2 and CCFRA3.1.5:2007	Detection of Salmonella	Street 41 / Chemical section
Food	Ioden value	Iodine absorption number of oil and fats (Wijs Method)	Street 41 / Chemical section
Food Container	ACES in-House Method SOP 59 HS (Hongkong Standard) 1003	Specific Migration of Heavy Metals	Street 41 / Chemical section
Food Container	BS EN 13130- 1:2004	Materials and articles in contact with foodstuffs — Plastics substances subject to limitation — Determination of formaldehyde in food simulants	Street 41 / Chemical section
Food Container	DD CEN/TS 13130- 23:2005	Materials and articles in contact with foodstuffs — Plastics substances subject to limitation — Determination of formaldehyde in food simulants	Street 41 / Chemical section
Geotechnical Tests	ASTM D2435/D2435M	Determination of One Dimensional Consolidation Properties of Soils	Street 41/ Soil Lab
Geotechnical Tests	ASTM D4543	Preparing Rock Core Specimens to Dimensional and Shape Tolerances	Street 41/ Soil Lab
Geotechnical Tests	ASTM D4546	One Dimensional Swell of Cohesive Soils	Street 41/ Soil Lab
Geotechnical Tests	ASTM D5607	Direct Shear on Rock	Street 41/ Soil Lab
Geotechnical Tests	ASTM D5731	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications	Street 41/ Soil Lab
Geotechnical Tests	ASTM D6951/D6951M	Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications	In-Situ
Geotechnical Tests	ASTM D7012	Standard Test Method for Unconfined Compressive Strength of Intact Rock Core Specimens	Street 41/ Soil Lab
Geotechnical Tests	ASTM G57	Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method (Electrical Resistivity Test)	In-Situ

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 26 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Geotechnical Tests	BRE Digest 365	Soakaway design (Dissipation)	Work Shop
Geotechnical Tests	BS 1377-5 CL 3	Methods of test for Soils for civil engineering purposes — Compressibility, permeability and durability tests (Determination of One Dimensional Consolidation Properties of Soils)	Street 41/ Soil Lab
Geotechnical Tests	BS 1377-5 CL 5	Constant Head Permeability Test	Street 41/ Soil Lab
Geotechnical Tests	BS 1377-7-CL 3	Vane Shear Test	Street 41/ Soil Lab
Geotechnical Tests	BS 1377-7 CL 4	Methods of test for Soils for civil engineering purposes — Shear strength tests (total stress) (Determination of shear strength by direct shear (small shearbox apparatus))	Street 41/ Soil Lab
Geotechnical Tests	BS 1377-7 CL 5	Methods of test for soils for civil engineering purposes. Shear strength tests (total stress) (Direct Shear on Soil (Large Box))	Street 41/ Soil Section
Geotechnical Tests	BS 1377-9 CL 3.3 (EN ISO 22476-3+A1 (E))	Geotechnical investigation and testing — Field testing — Standard penetration test (Determination of the penetration resistance using the split-barrel sampler (the standard penetration test SPT))	In-Situ
Geotechnical Tests	BS 1377-9 CL 4.1	Determination of the vertical deformation and strength characteristics of soil by the plate loading test	In-Situ
Geotechnical Tests	BS 1377-9 CL 4.3	Methods of test for Soils for civil engineering purposes — In-situ tests (Determination of the in- situ California Bearing Ratio (CBR))	Street 41/ Soil Lab
Geotechnical Tests	BS 5930 CL 22	Code of practice for site investigations (Soil Sampling)	In-Situ
Geotechnical Tests	BS 5930 CL 23	Code of practice for site investigations (Ground Water Sampling)	Work Shop
Geotechnical Tests	BS 5930 CL 23, 27, 47	Code of practice for site investigations (Ground Water Level Measurement)	Work Shop
Geotechnical Tests	BS 5930 CL 25	Code of practice for site investigations (Falling Head Permeability Test)	Work Shop
Geotechnical Tests	BS 5930 CL 25	Code of practice for site investigations (Packer Test)	Work Shop
Geotechnical Tests	BS 5930 CL tion 6	Description of Soil & Rock	Street 41/ Soil Lab
Geotechnical Tests	CIRIA-Mair and Wood	Pressuremetere testing methods and interpretation (Pressuremeter HPD)	Work Shop

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 27 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Geotextile	ASTM D4533/D4533M	Trapezoid Tearing Strength of Geotextiles	Geotextile & Membrane, Lab 29, Street 41
Geotextile	ASTM D5199-12	Thickness Under Pressure 2 Kpa	Geotextile & Membrane, Lab 29, Street 41
Geotextile	BS EN 946	Thickness Under Pressure 2 Kpa	Geotextile & Membrane, Lab 29, Street 41
Geotextile	BS EN ISO 10319	Geosynthetics — Wide width tensile test	Geotextile & Membrane, Lab 29, Street 41
Geotextile	BS EN ISO 11058	Determination of water permeability characteristics normal to the plane, without load	Geotextile & Membrane, Lab 29, Street 41
Geotextile	BSEN ISO 12236	CBR Puncture Resistance	Geotextile & Membrane, Lab 29, Street 41
Geotextile	BS EN ISO 13433	Dynamic perforation test (cone drop test)	Geotextile & Membrane, Lab 29, Street 41
Geotextile & Waterproofing	ASTM D412	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers— Tension (Test Method A)	Street 41/ Membrane / Geotextile Section
Geotextile & Waterproofing	ASTM D751	Standard Test Methods for Coated Fabrics - Bursting Strength - Cl. 18	Street 41/ Membrane / Geotextile Section
Geotextile & Waterproofing	ASTM D1000	Standard Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications - Adhesion Strength to Steel and Backing (Cl. 46 - 53)	Street 41/ Membrane / Geotextile Section
Geotextile & Waterproofing	ASTM D3787	Standard Test Method for Bursting Strength of Textiles—Constant-Rate-of- Traverse (CRT) Ball Burst Test	Street 41/ Membrane / Geotextile Section
Geotextile & Waterproofing	ASTM D5034, G-E and MG-E	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab and Modified Grab Test)	Street 41/ Membrane / Geotextile Section
Geotextile & Waterproofing	ASTM D5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)	Street 41/ Membrane / Geotextile Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 28 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Geotextile & Waterproofing	ASTM D5261	Standard Test Method for Measuring Mass per Unit Area of Geotextiles	Street 41/ Membrane / Geotextile Section
Geotextile & Waterproofing	BS EN ISO 5084	Determination Of Thickness Of Textiles	Geotextile & Membrane, Lab 29, Street 41
Geotextile & Waterproofing	BS EN 12127	Textiles. Fabrics. Determination of mass per unit area using small samples. (Determination Of Mass Per Unit Area (Weight))	Street 41
Geotextile & Waterproofing	BS EN ISO 12956	Geotextiles and geotextile- related products. Determination of the characteristic opening size. (Pore Size)	Street 41/ Membrane / Geotextile Section
HDPE Pipe	BS EN ISO 527-1 CL 10.1	Plastics — Determination of tensile properties Part 1: General principles 10.1 Stress	Street 41/Main Lab
HDPE Pipe	EN ISO 3126 CL 5.2, 5.3.2, 5.3.3, 5.3.4, 5.4	Plastics piping systems — Plastics components — Determination of dimensions, 5.2 Wall Thickness, 5.3.2 Measurement of maximum and minimum diameter, 5.3.3 Mean Outside Diameter, 5.3.4 Mean Inside Diameter, 5.4 Out-of-Roundness	Street 41/Main Lab
HDPE Pipe	BS 6920-2.2.1+A2	Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water — Part 2: Methods of test — Section 2.2: Odour and flavour of water — Subsection 2.2.1: General method of test	Street 41/Main Lab
HDPE Pipe	BS 6920-2.4+A2	Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water ð Part 2: Methods of testð Section 2.4: Growth of aquatic microorganisms test	Street 41/Main Lab
HDPE Pipe	BS 6920-2.6+A2	Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water — Part 2: Methods of test — Section 2.6: The extraction of metals	Street 41/Main Lab
HDPE Pipe	EN 12099	Plastics piping systems - Polyethylene piping materials and components - Determination of volatile content	Street 41/Main Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 29 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
HDPE Pipe	BS EN 12201-2:2011+A1:2013, CL 5.1, 5.2, 6.1, 6.2, 6.3	Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) Part 2: Pipes, 5.1 Appearance, 5.2 Colour, 6.1 Measurements, 6.2 Mean outside diameter, out-of-roundness (ovality) and tolerances, 6.3 Wall thicknesses and their tolerances	Street 41/Main Lab
HDPE Pipe	EN 12201-2 CL 11	Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) Part 2: Pipes, 11. Marking	Street 41/Main Lab
HDPE Pipe	EN 12666-1 CL 5.2, 6.1, 6.2.1, 6.2.3	Plastics piping systems for non-pressure underground drainage and sewerage - Polyethylene (PE) — Part 1: Specifications for pipes, fittings and the system, 5.2 Colour, 6 Geometrical characteristics 6.1 General, 6.2.1 Outside diameter, 6.2.3 Wall thickness	Street 41/Main Lab
HDPE Pipe	EN ISO 13479	Polyolefin pipes for the conveyance of fluids — Determination of resistance to crack propagation — Test method for slow crack growth on notched pipe	Street 41/Main Lab
HDPE Pipe	EN ISO 15512 CL 3	Plastics — Determination of water content 3. Method A — Extraction with anhydrous methanol	Street 41/Main Lab
HDPE Pipe	ISO 1133 CL 8	Plastics — Determination of the melt mass-flow rate (MFR) and melt volume- flow rate (MVR) of thermoplastics Part 1: Standard method 8. Procedure A: Mass- measurement method	Street 41/Main Lab
HDPE Pipe	ISO 1167-1	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method	Street 41/Main Lab
HDPE Pipe	ISO 1167-2	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces	Street 41/Main Lab
HDPE Pipe	ISO 1183-1 CL 5.1	Plastics — Methods for determining the density of non-cellular plastics Part 1: Immersion method, liquid pycnometer 5.1 Method A — Immersion method	Street 41/Main Lab
HDPE Pipe	ISO 2505	Thermoplastics pipes — Longitudinal reversion — Test method and parameters	Street 41/Main Lab
HDPE Pipe	ISO 4065	Thermoplastics pipes — Universal wall thickness table	Street 41/Main Lab
HDPE Pipe	ISO 4427-2 CL 5.1, 5.2, 6.1, 6.2, 6.3	Plastics piping systems — Polyethylene (PE) pipes and fittings for water supply — Part 2: Pipes, 5.1 Appearance, 5.2 Colour, 6.1 Measurements, 6.2 Mean outside diameter and out-of-roundness (ovality) 6.3 Wall thickness and their tolerances	Street 41/Main Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 30 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
HDPE Pipe	ISO 4427-2 CL 7	Plastics piping systems — Polyethylene (PE) pipes and fittings for water supply — Part 2: Pipes, 7. Mechanical characteristics (Hydrostatic strength), (Maximum diameter 560 mm)	Street 41/Main Lab
HDPE Pipe	ISO 4427-2 CL 11	Plastics piping systems — Polyethylene (PE) pipes and fittings for water supply — Part 2: Pipes 11. Marking	Street 41/Main Lab
HDPE Pipe	ISO 4433-1	Thermoplastics pipes — Resistance to liquid chemicals — Classification — Part 1: Immersion test method Chemical Characteristics of Pipes in contact with Chemicals	Street 41/Main Lab
HDPE Pipe	ISO 4433-2	Thermoplastics pipes — Resistance to liquid chemicals — Classification — Part 2: Polyolefin pipes Chemical Characteristics of Pipes in contact with Chemicals	Street 41/Main Lab
HDPE Pipe	ISO 6259-1 CL 10.2	Thermoplastics pipes — Determination of tensile properties, Part 1: General test method. 10.2 Elongation at break	Street 41/Main Lab
HDPE Pipe	ISO 6259-3	Thermoplastics pipes — Determination of tensile properties Part 3: Polyolefin pipes	Street 41/Main Lab
HDPE Pipe	ISO 6964 CL 4	Polyolefin pipes and fittings — Determination of carbon black content by calcination and pyrolysis — Test 4 Method A: Electrical tube furnace	Street 41/Main Lab
HDPE Pipe	ISO 9969	Thermoplastics pipes — Determination of ring stiffness	Street 41/Main Lab
HDPE Pipe	ISO 11357-6	Plastics — Differential scanning calorimetry (DSC) Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT)	Street 41/Main Lab
HDPE Pipe	ISO 11922-1 CL 6	Thermoplastics pipes for the conveyance of fluids — Dimensions and tolerances — Part 1: Metric series 6. Measurement of dimensions	Street 41/Main Lab
HDPE Pipe	ISO 13953	Polyethylene (PE) pipes and fittings — Determination of the tensile strength and failure mode of test pieces from a butt-fused joint.	Street 41/Main Lab
HDPE Pipe	ISO 18553 CL 4.1.2, 4.2	Method for the assessment of the degree of pigment or carbon black dispersion in polyolefin pipes, fittings and compounds, 4.1.2 Microtome procedure, 4.2 Microscopic examination	Street 41/Main Lab
HDPE Pipe	QCS 2014	QCS Section 08: Drainage Works, Part 03 Pipes & Fitting Materials, 3.10.2 Manufacturer 12. Markings	Street 41/Main Lab
Leakage Testing of Buildings	AAMA 501.2	Quality Assurance and Diagnostic Water leakage field check for Storefronts, Curtain Walls and Sloped Glazing Systems	Street 41/ NDT LAB

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 31 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Masonry Blocks & Paving Units	ASTM C140/C140M CL 8	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units (Water Absorption for Interlocks)	Street 41/Durability Section
Masonry Blocks & Paving Units	BS 6073-1	Compressive Strength of Concrete Masonry Blocks	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS 6717 Annex B	Precast, unreinforced concrete paving blocks — Requirements and test methods (Measurement of Dimensions of Paving Blocks)	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS 6717 Annex B	Compressive Strength of Paving Blocks	Street 41/Durability Section
Masonry Blocks & Paving Units	BS 6717 Annex E	Tensile Strength of Paving Blocks	Street 41/ Concrete Section
Masonry Blocks & Paving Units	BS EN 771 +A1 (BS EN 772-11)	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	Street 41/Durability Section
Masonry Blocks & Paving Units	BS EN 771 1- 2011+A1 (BS EN 772 1-2011+A1)	Determination of compressive strength	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 771-1 (BS EN 772-1)	Determination of compressive strength	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 771-1 (BS EN 772-7)	Methods of test for masonry units - (Determination of water absorption of clay masonry damp proof course units by boiling in water)	Street 41/Durability Section
Masonry Blocks & Paving Units	BS EN 771-1 (BS EN 772-16)	Specification for masonry units - Clay masonry units (Determination of Dimensions)	Street 41/Concrete Section
Masonry Blocks & Paving Units	EN 771-3	Water Absorption for Masonry Blocks	Street 41/ Concrete Section
Masonry Blocks & Paving Units	BS EN 772-2 clause 8.2.3	Methods of test for masonry units. Determination of percentage area of voids in masonry units (by paper indentation)	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 1338 Annex C	Concrete paving blocks — Requirements and test methods (Measurement of the dimensions of a single block)	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 1338 Annex E	Water Absorption for Paving Blocks	Street 41/Durability Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 32 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Masonry Blocks & Paving Units	BS EN 1338 Annex F	Tensile Strength of Paving Blocks	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 1339 Annex C	Concrete paving flags — Requirements and test methods (Measurement of the dimensions of a single flag)	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 1339 Annex E	Determination of total water absorption	Street 41/Durability Section
Masonry Blocks & Paving Units	BS EN 1339 Annex F	Measurement of bending strength and breaking load	Street 41/Concrete Section
Masonry Blocks & Paving Units	EN 1340 Annex C	Measurement of dimensions of a single unit	Street 41/Durability Section
Masonry Blocks & Paving Units	EN 1340 Annex E	Determination of total water absorption	Street 41/Durability Section
Masonry Blocks & Paving Units	BS EN 1340 Annex F	Concrete kerb units — Requirements and test methods (Measurement of bending strength)	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 13748-1 CL 5.5	Terrazzo tiles — Terrazzo tiles for internal use (Breaking strength and breaking load)	Street 41/Concrete Section
Masonry Blocks & Paving Units	BS EN 13748-1 CL 5.8	Terrazzo tiles — Terrazzo tiles for internal use (Water absorption)	Street 41/Durability Section
Microbiology — Water and Wastewater	APHA 24th Ed., 9230-C	Fecal Streptococcus	Street 41/ Chemical section
Microbiology — Water and Wastewater	APHA 24th Ed., 9260-J	Legionella	Street 41/ Chemical section
Microbiology — Water and Wastewater	APHA/AWWA 22nd Ed., 923-E APHA/AWWA 24 th Ed., 9213-E	Pseudomonas Aeruginosa	Street 41/ Chemical section
Microbiology — Water and Wastewater	APHA/AWWA 24 th Ed., 9222B & 9222D	Total Coliforms	Street 41/ Chemical section
Microbiology— Water and Wastewater	APHA/AWWA 24 th Ed., 9222D	Fecal Coliform	Street 41/ Chemical section
Microbiology — Water and Wastewater	APHA/AWWA 24 th Ed., 9223 B	Enzyme Substrate Test (E- Coli)	Street 41/ Chemical section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 33 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Microbiology — Water and Wastewater	APHA/AWWA 24 th Ed., 9223 B	Enzyme Substrate Test (Fecal Coliform)	Street 41/ Chemical section
Microbiology — Water and Wastewater	APHA/AWWA 24 th Ed., 9223 B	Total Coliforms	Street 41/ Chemical section
Microbiology — Water and Wastewater	NIOSH 0800 & ISO 16000-17:2011	Bioaerosol Sampling (Indoor Air)	Site test
Microbiology — Water and Wastewater	WHO, Lab manual of Parasitological and Bacteriological Techniques, 1996	Nematodes (Helminths) Eggs	Street 41/ Chemical section
Non Destructive Test	ASME 0 CLV	Standard Practice for Liquid Penetrant Examination for General Industry	In-Situ
Non Destructive Test	ASME 0 CL V	Standard Guide for Magnetic Particle Testing	In-Situ
Non Destructive Test	ASTM C805/C805M	Standard Test Method for Rebound Number of Hardened Concrete ¹	Street 41/ NDT Section
Non Destructive Test	ASTM C900	Standard Test Method for Pullout Strength of Hardened Concrete	In-Situ
Non Destructive Test	ASTM D2950/D2950M	Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods	In-Situ
Non Destructive Test	ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers	In-Situ
Non Destructive Test	ASTM D4694	Deflections with a Falling- Weight-Type Impulse Load Device	Street 41/ NDT Section
Non Destructive Test	ASTM D4787	Standard Practice for Continuity Verification of Liquid or Sheet Linings Applied to Concrete Substrates	In-Situ
Non Destructive Test	ASTM D4945	High-Strain Dynamic Testing of Deep Foundations (Pile Dynamic Test)	In-Situ
Non Destructive Test	ASTM D5162 Method B	Standard Practice for Discontinuity (Holiday) Testing of Nonconductive Protective Coating on Metallic Substrates	In-Situ
Non Destructive Test	ASTM D5882	Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations	In-Situ

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 34 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Non Destructive Test	ASTM D6132	Standard Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Coating Thickness Gage	In-Situ
Non Destructive Test	ASTM D6167	Conducting Borehole Geophysical Logging: Mechanical Caliper	In-Situ
Non Destructive Test	ASTM D6433	Roads and Parking Lots Pavement Condition Index Surveys, PCI	In-Situ
Non Destructive Test	ASTM D6760	Standard Test Method for Integrity Testing of Concrete Deep Foundations by Ultrasonic Crosshole Testing	In-Situ
Non Destructive Test	ASTM D7091 Type 2 gage	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	Street 41/ NDT section
Non Destructive Test	ASTM D7234	Standard Test Method for Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers	Field
Non Destructive Test	ASTM E164	Contact Ultrasonic Testing of Weldments	In-Situ
Non Destructive Test	ASTM E165/E165M	Standard Practice for Liquid Penetrant Examination for General Industry	In-Situ
Non Destructive Test	ASTM E303	Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester	Street 41/ NDT Section
Non Destructive Test	ASTM E709	Standard Guide for Magnetic Particle Testing	In-Situ
Non Destructive Test	ASTM E950	Standard Practice for Computing International Roughness Index of Roads from Longitudinal Profile Measurements	In-Situ
Non Destructive Test	ASTM E950/E950M	Measuring the Longitudinal Profile of Traveled Surfaces with an Accelerometer Established Inertial Profiling Reference	In-Situ
Non Destructive Test	ASTM E1703	Measuring Rut-Depth of Pavement Surfaces Using a Straightedge	Street 41/ NDT Section
Non Destructive Test	ASTM E1926	Standard Practice for Computing International Roughness Index of Roads from Longitudinal Profile Measurements	In-Situ

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 35 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Non Destructive Test	ASTM G62 Method B	Standard Test Methods for Holiday Detection in Pipeline Coatings	In-Situ
Non Destructive Test	BS 1881-204	Testing concrete (Recommendations on the use of electromagnetic covermeters)	In-Situ
Non Destructive Test	BS 3262-1 Append. J	Determination of Skid Resistance	Street 41/ NDT Section
Non Destructive Test	BS EN 12504-2	Testing concrete in structures Non-destructive testing — (Determination of rebound number)	In-Situ
Non Destructive Test	BS EN-12504-3	Testing concrete in structures (Determination of pull-out force)	In-Situ
Non Destructive Test	BS EN 12504-4	Determination of ultrasonic pulse velocity	In-Situ
Non Destructive Test	BS EN 13036-4	Road and airfield surface characteristics. Test methods Method for measurement of slip/skid resistance of a surface: The pendulum test	In-Situ
Non Destructive Test	BS EN 13036-7	Road and airfield surface characteristics. Test methods Irregularity measurement of pavement courses. The straightedge test	In-Situ
Non Destructive Test	MS21-02 Method Statement for Concrete Steel Survey Using Ferroskan	Concrete steel survey using ferroskan	Main Lab
Non Destructive Test	SOP 069	Crack Width Gauge	In-Situ
Non Destructive Test	SOP 069	Crack Measurement Microscope	In-Situ
Non Destructive Test	QCS 2014: CL 6-5 & User Guide of Machine	Surface Irregularities Test - By 3 meter long Rolling Straightedge	Street 41/ NDT Section
Non Destructive Test	TRL Road Note 27	Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester	Street 41/ NDT Section
Oil	ASTM D93	Standard Test Methods for Flash Point by Pensky- Martens Closed Cup Tester	Street 41/ Bitumen Lab
Oil	ASTM D97	Standard Test Methods for Pour point of Petroleum Products.	Street 41/ Bitumen Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 36 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Oil	ASTM D130	Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test	Street 41/ Bitumen Lab
Oil	ASTM D445	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity) @ 40C	Street 41/ Bitumen Lab
Oil	ASTM D445	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity) @ 100C	Street 41/ Bitumen Lab
Oil	ASTM D664	Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration	Street 41 / Chemical section
Oil	ASTM D974	Acid Number	Street 41 / Chemical section
Oil	ASTM D1119	Standard Test Method for Percent Ash Content of Engine Coolants	Street 41 / Chemical section
Oil	ASTM D1120	Standard Test Method for Boiling Point of Engine Coolants	Street 41/ Bitumen Lab
Oil	ASTM D1121	Standard Test Method for Reserve Alkalinity of Engine Coolants and Antirusts	Street 41 / Chemical section
Oil	ASTM D1287	Standard Test Method for pH of Engine Coolants and Antirusts	Street 41 / Chemical section
Oil	ASTM D1298	Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by the Hydrometer Method	Street 41/ Bitumen Lab
Oil	ASTM D1401	Standard Test Method for Water Separability of Petroleum Oils and Synthetic Fluids	Street 41/ Bitumen Lab
Oil	ASTM D1500	Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)	Street 41/ Bitumen Lab
Oil	ASTM D2270	Viscosity Index from Kinematic Viscosity at 40 °C and 100 °C	Street 41/ Bitumen Lab
Oil	ASTM E2412	(FT-IR) Spectrometry	Street 41 / Chemical section
Oil	ASTM D2501	Standard Test Methods for Calculation of viscosity-Gravity Constant (VGC) of Petroleum Oil	Street 41/ Bitumen Section
Oil	ASTM D2896	Standard Test Method for Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	Street 41 / Chemical section
Oil	ASTM D3427	Standard Test Method for Air Release Properties of Hydrocarbon Based Oils	Street 41/ Bitumen Lab
Oil	ASTM D4052	Standard Test Methods for Density, Relative Density and API Gravity of Liquids by Digital Density Meter	Street 41/ Bitumen Section
Oil	ASTM D5293	Standard Test Methods for Apparent Viscosity of Engine oil and base stocks between -10°C and -35°C using cold-cranking simulator.	Street 41/ Bitumen Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 37 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Oil	ASTM D6304	Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration	Street 41 / Chemical section
Oil	ASTM D7946	Standard Test Method for Initial pH for Petroleum Products	Street 41 / Chemical section
Paint	ASTM B117	Operating Salt Spray (Fog) Apparatus	Street 41/ Bitumen Section
Paint	ASTM C309	Drying Time Test	Street 41/ Bitumen Section
Paint	ASTM C639	Rheological (Flow) Properties of Elastomeric Sealants	Street 41/ Bitumen Section
Paint	ASTM C679	Tack free time of paints primer coatings etc	Street 41/ Bitumen Section
Paint	ASTM C792	Effects of heat aging	Street 41/ Bitumen Section
Paint	ASTM D522	Methods for Mandrel Bend Test of Attached Organic Coatings, Method B	Street 41/ Bitumen Lab
Paint	ASTM D523	Paints and Varnishes - Determination of Specular Gloss of Non-Metallic Paint Films at 20o and 60o and 85o	Street 41/ Bitumen Lab
Paint	ASTM D562	Standard Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer- Type Viscometer	Street 41/ Bitumen Section
Paint	ASTM D714	Standard Test Method for Evaluating Degree of Blistering of Paints (After Sulphuric Acid Immersion Test for Internal Lining - per ASTM D543)	Street 41/ Polymer Lab
Paint	ASTM D1005	Standard Test Method for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers	Street 41/ Bitumen Lab
Paint	ASTM D1210	Standard Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage	Street 41/ Bitumen Lab
Paint	ASTM D1212	Measurement of Wet Film Thickness of Organic Coatings	Street 41/ Polymer Lab
Paint	ASTM D1475	Standard Test Method For Density of Liquid Coatings, Inks, and Related Products	Street 41/ Bitumen Section
Paint	ASTM D1640/D1640M	Standard Test Method for Drying, Curing, or Film Formation of Organic Coatings, Method B	Street 41/ Bitumen Lab
Paint	ASTM D1647	Standard Test Methods for Resistance of Dried Films of Varnishes to Water and Alkali	Street 41/ Bitumen Lab
Paint	ASTM D2196	Rheological Properties of Non-Newtonian Materials by Rotational Viscometer	Street 41/ Polymer Lab
Paint	ASTM D2369	Standard Test Method for Volatile Content of Coatings	Street 41 / Chemical section
Paint	ASTM D2370	Tensile Properties of Organic Coatings	Street 41/ Geotextile Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 38 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Paint	ASTM D2486	Standard Test Method for Scrub Resistance of Wall Paints	Street 41/ Bitumen Lab
Paint	ASTM D3359	Standard Test Methods for Rating Adhesion by Tape Test	Street 41/ Bitumen Lab
Paint	ASTM D3723	Standard Test Method for Pigment Content of Water- Emulsion Paints by Low- Temperature Ashing	Street 41/ Bitumen Lab
Paint	ASTM D4400	Standard Test Method for Sag Resistance of Paints Using a Multinotch Applicator	Street 41/ Bitumen Lab
Paint	ASTM D4414	Standard Practice for Measurement of Wet Film Thickness by Notch Gages	Street 41/ Bitumen Lab
Paint	ASTM D4541	Adhesion (Pull off) strength	In- Situ
Paint	ASTM D5401	Standard Test Method for Evaluating Clear Water Repellent Coatings on Wood	Street 41/ Bitumen Lab
Paint	ASTM G154	Plastics- Methods of Exposure to Laboratory Light Sources (QUV)	Street 41/ Bitumen Section
Paint	BS EN 1871 Cl 4.3.2.5	Road marking materials. Paint, thermoplastic and cold plastic materials. Physical properties – UV ageing	Street 41/ Bitumen Section
Paint	BS EN ISO 787-9	Determination of pH value of aqueous suspension	Street 41/ Chemical Section
Paint	BS EN ISO 1519 (BS 3900-E1)	Paints and varnishes. Bend test (cylindrical mandrel)	Street 41/ Bitumen Lab
Paint	BS EN ISO 2409 (BS 3900-E9)	Paints and varnishes. Cross-cut test.	Street 41/ Bitumen Lab
Paint	BS EN ISO 2812-2	Standard Test Method for Evaluating Clear Water Repellent Coatings on Wood	Street 41/ Bitumen Lab
Paint	BS EN ISO 2813	Paints and Varnishes - Determination of Specular Gloss of Non-Metallic Paint Films at 20o and 60o and 85o	Street 41/ Bitumen Lab
Paint	BS EN ISO 2814	Average Reflectance (Calculation Method)	Street 41/ Bitumen Lab
Paint	BS EN ISO 2814	Paints and varnishes - Comparison of contrast ratio (hiding power) of paints of the same type and colour	Street 41/ Bitumen Lab
Paint	BS EN ISO 4624	Paints and varnishes. Pull- off test for adhesion.	Street 41/ Bitumen Lab
Paint	ISO 7724-2	Determination of color and color difference	Street 41/ Polymer Lab
Paint	ISO 9227	Corrosion tests in artificial atmospheres- Salt spray tests	Street 41/ Polymer Lab
Paint	ISO 16474-3	Paints and varnishes- Methods of exposure to laboratory light sources- part 03 Fluorescent UV lamps. (Method C: Type 2 UVB-313 Lamps, Cycle No 04 &05)	Street 41/ Polymer Lab
Pavement Markings	AASHTO M249	Crack resistance of thermoplastic material	Street 41/ Bitumen Section

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 39 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Pavement Markings	AASHTO M249	Standard Specification for White and Yellow Reflective Thermoplastic Striping Material (Solid Form) (Daylight reflectance at 45°)	Street 41/Bitumen Lab
Pavement Markings	AASHTO M249	Standard Specification for White and Yellow Reflective Thermoplastic Striping Material (Solid Form) (Drying Time for Road Marking)	Street 41/Bitumen Lab
Pavement Markings	AASHTO T250	Crack resistance of thermoplastic material	Street 41/ Bitumen Section
Pavement Markings	AASHTO T250 CL 5	Standard Method of Test for Thermoplastic Traffic Line Material (Determination of Binder Content)	Street 41/Bitumen Lab
Pavement Markings	AASHTO T250 CL 6	Standard Method of Test for Thermoplastic Traffic Line Material (Determination of Glass beads Content)	Street 41/Bitumen Lab
Pavement Markings	ASTM D711	Drying time of thermoplastic material	Street 41/ Bitumen Section
Pavement Markings	ASTM D4414	Standard Practice for Measurement of Wet Film Thickness by Notch Gages	Street 41/Bitumen Lab
Pavement Markings	ASTM D4797	Standard Method of Test for Thermoplastic Traffic Line Material (Determination of Binder Content)	Street 41/Bitumen Lab
Pavement Markings	ASTM D4797 CL 11	Standard Method of Test for Thermoplastic Traffic Line Material (Determination of Glass beads Content)	Street 41/Bitumen Lab
Pavement Markings	ASTM E1710	Measurement of Retroreflective Pavement Marking Materials with CEN-Prescribed Geometry Using a Portable Retroreflectometer	Street 41/Bitumen Lab
Pavement Markings	ASTM E2302	Measurement of the Luminance Coefficient Under Diffuse Illumination of Pavement Marking Materials Using a Portable Reflectometer	Street 41/Bitumen Lab
Pavement Markings	ASTM G154	Plastics- Methods of Exposure to Laboratory Light Sources (QUV)	Street 41/ Bitumen Section
Pavement Markings	BS 2000-35	Petroleum and its Products. Determination of flash and fire Point-Pensky - Martens method (Flash Point (Open) of Thermoplastic Material)	Street 41/Bitumen Lab
Pavement Markings	BS 3262-1 Append. C	Binder Content of Thermoplastic Material	Street 41/Bitumen Lab
Pavement Markings	BS 3262-1 Append. D	Glass Bead Content of Thermoplastic Material	Street 41/Bitumen Lab
Pavement Markings	BS 3262-1 Append. D	Combined Gradation of Material	Street 41/Bitumen Lab
Pavement Markings	BS 3262-1 Append. F	Hot-applied thermoplastic road marking materials and mixtures — Specification for constituent materials and mixtures (Luminance Factor)	Street 41/Bitumen Lab
Pavement Markings	BS 3262-1 Append. H	Determination of Flow Resistance	Street 41/Bitumen Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 40 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Pavement Markings	BS 3262-3–Ap. B	Hot-applied thermoplastic road marking materials and mixtures — Specification for application of material to road surfaces (Drying Film Thickness)	Street 41/Bitumen Lab
Pavement Markings	BS 3262-3 Append. C	Determination of density	Street 41/Bitumen Lab
Pavement Markings	BS 6088 Appendix B	Solid glass beads for use with road marking compounds and for other industrial uses (Particle Size Distribution of Glass Beads)	Street 41/Bitumen Lab
Pavement Markings	BS EN 1436 Annex A&B	Road marking materials — Road marking performance for road users (Measurement of Retro- reflectivity of pavement marking materials)	Street 41/Bitumen Lab
Pavement Markings	BS EN 1871 Cl 4.3.2.4	Road marking materials. Paint, thermoplastic and cold plastic materials. Physical properties - Cold impact resistance	Street 41/ Bitumen Section
Pavement Markings	BS EN 1871 Cl 4.3.2.5	Road marking materials. Paint, thermoplastic and cold plastic materials. Physical properties – UV ageing	Street 41/ Bitumen Section
Pavement Markings	BS EN 13197 Annex C / 2011	Wet Film Thickness by Notch Gauge	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO R28	Standard Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO R29	Standard Practice for Grading or Verifying the Performance Grade (PG) of an Asphalt Binder	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO T048	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO T44	Solubility of Asphalt Material In Trichloroethylene	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO T240	Test Method for Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test) RTFOT	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO T313	Standard Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO T315	Standard Test Method for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO T316	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer (RV)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	AASHTO T350	Standard Test Method for Multiple Stress Creep and Recovery (MSCR) of Asphalt Binder Using a Dynamic Shear Rheometer	Street 41/Bitumen Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 41 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Performance Graded Asphalt Binder	ASTM D5/D5M	Standard Test Method for Penetration of Bituminous Materials	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D6/D6M	Standard Test Method for Loss on Heating of Oil and Asphaltic Compounds	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D36/D36M	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D70	Density of Semi-Solid Bituminous Material (Pycnometer Method)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D88	Saybolt Viscosity	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D95	Water in Petroleum Products and Bituminous Material by Distillation	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D113	Standard Test Method for Ductility of Bituminous Materials	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D139	Standard Test Method for Float Test for Bituminous Materials	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D140	Standard Practice for Sampling Bituminous Materials	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D402/D402M	Standard Test Method for Distillation of Cutback Asphalt	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D2042	Solubility of Asphalt Material In Trichloroethylene	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D2170/D2170M	Kinematic Viscosity @ 60°C	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D2872	Test Method for Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test) RTFOT	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D2995	Standard Practice for Estimating Application Rate of Bituminous Distributors	Street 41/Bitumen Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 42 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Performance Graded Asphalt Binder	ASTM D4402/D4402M	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer (RV)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D5546	Standard Test Method for Solubility of Asphalt Binders in Toluene by Centrifuge	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D6521	Standard Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D6648	Standard Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D6930	Settlement and Storage Stability of Emulsified Asphalts	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D6933	Standard Test Method for Oversized Particles in Emulsified Asphalts (Sieve Test)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D6935	Standard Test Method for Determining Cement Mixing of Emulsified Asphalt	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D6997	Distillation of Emulsified Asphalt	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D7173	Standard Practice for Determining the Separation Tendency of Polymer from Polymer Modified Asphalt	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D7175	Standard Test Method for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D7402	Standard Practice for Identifying Cationic Emulsified Asphalts	Street 41/ Bitumen Section
Performance Graded Asphalt Binder	ASTM D7405	Standard Test Method for Multiple Stress Creep and Recovery (MSCR) of Asphalt Binder Using a Dynamic Shear Rheometer	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	ASTM D7496	Standard Test Method for Viscosity of Emulsified Asphalt by Saybolt Furol Viscometer	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	BS 2000-49	Determination of Needle Penetration	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	BS 2000-58	Bitumen and bituminous binders - (Determination of Softening Point (Ring & Ball Method))	Street 41/Bitumen Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 43 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Performance Graded Asphalt Binder	BS 3262-3 Append. C	Determination of density	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	BS EN 1426	Determination of Needle Penetration	Street 41/Bitumen Lab
Performance Graded Asphalt Binder	BS EN 1427-2007	Bitumen and bituminous binders - (Determination of Softening Point (Ring & Ball Method))	Street 41/Bitumen Lab
PVC Pipe	BS 2782-11 Method 1108B	Plastics piping and ducting systems. Thermoplastics pipes. Determination of resistance to external blows by the staircase method	Street 41 Lab / Membrane / Geotextile Section
PVC Pipe	BS 2782-11 Method 1108C	Plastics piping and ducting systems. Thermoplastics pipes. Test method for resistance to external blows by the round-the- clock method.	Street 41 Lab / Membrane / Geotextile Section
PVC Pipe	BS EN 580	Resistance to Dichloromethane	Chemical Lab Room 7, Street 41, Industrial Area
PVC Pipe	BS EN 744	Plastics piping and ducting systems. Thermoplastics pipes. Test method for resistance to external blows by the round-the- clock method.	Street 41 Lab / Membrane / Geotextile Section
PVC Pipe	BS EN 1411	Plastics piping and ducting systems. Thermoplastics pipes. Determination of resistance to external blows by the staircase method	Street 41 Lab / Membrane / Geotextile Section
PVC Pipe	BS EN ISO 2505	Longitudinal Reversion	Soil Lab GF-6, Street 41, Industrial Area
PVC Pipe	BS EN 61386-1, CL 7.6	Marking and documentation	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	BS EN 61386-1, CL 8 & Annex B.1	Dimensions	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	BS EN 61386-1, CL 10.2	Compression test	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	EN 61386-1, CL 10.3	Impact Test	Geotextile & Membrane, Lab 29, Street 41

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 44 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
PVC Pipe	EN 61386-1, CL 10.4	Bending Test	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	EN 61386-1, CL 10.6	Collapse test	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	EN 61386-1, CL 13.1.3.2	Fire hazard	Outside Corridor between building near Soil/Aggregate Sample Door, Street 41
PVC Pipe	GSO 32, CL 4.3	Marking and documentation	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	GSO 32, CL 4.4	Dimensions	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	GSO 32, CL 5	Compression test	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	GSO 32, CL 6.2	Bending Test	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	GSO 32 CL 8	Fire hazard	Outside Corridor between building near Soil/Aggregate Sample Door, Street 41
PVC Pipe	GSO 32, CL 10	Impact Test	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	GSO 32, CL 11	Collapse test	Geotextile & Membrane, Lab 29, Street 41
PVC Pipe	IEC 61386-21, CL 10.4.102	Bending Test	Geotextile & Membrane, Lab 29, Street 41

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 45 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
PVC Pipe	IEC 61386-21, CL 10.6.102	Collapse test	Geotextile & Membrane, Lab 29, Street 41
Pipe	ISO 15874-2 / ISO 1133 - 1	Determination of mass flow rate and mass flow volume of thermoplastics	Street 41/Main Lab
Pipe	ISO 15874-2 / ISO 1167-1 & 2	Determination of the resistance to internal pressure	Street 41/Main Lab
Pipe	ISO 15874-2 / ISO 2505 (Method B)	Thermoplastic pipe - longitudinal reversion test	Street 41/Main Lab
Pipe	ISO 15874-2 / ISO 3126:2005	Plastic piping system/determination of dimensions	Street 41/Main Lab
Pipe	ISO 15874-2 / ISO 9854 - 1 & 2	Determination of pendulum impact strength by the use of charpy method	Street 41/Main Lab
Response to fire tests	ASTM E84	Standard Test Method for Surface Burning Characteristics of Building Materials	Street 41/Main Lab
Response to fire tests	UL-723	Test for Surface Burning Characteristics of Building Materials	Street 41/Main Lab
Reaction to fire tests	BS EN ISO 9239-1	Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source.	Street 41/Main Lab
Reaction to fire tests	ISO 1182	Reaction to fire tests for products — Non-combustibility test	Street 41/Main Lab
Reaction to fire tests	ISO 1716	Reaction to fire tests for products — Determination of the gross heat of combustion (calorific value)	Street 41/Main Lab
Reaction to fire tests	ISO 11925-2	Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test	Street 41/Main Lab
Reaction to fire tests	BS EN 13501-1	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests	Street 41/Main Lab
Resistance To Fire	ASTM E119-22	Standard Test Methods for Fire Tests of Building Construction and Materials	Street 41/Main Lab
Resistance To Fire	ASTM E2226	Standard Practice for Application of Hose Stream	Street 41/Main Lab
Resistance To Fire	BS EN 1363-1	Fire resistance tests - Part 1: General Requirement Excluding: 4.3, 4.5.3, 4.6d, 5.2.2.3, 5.2.3, 5.4, 5.5, 9.2.3, 10.2, 10.4.4.2, 10.4.6, 11.1, 11.4.1, 12.1k, Annex D	Street 41/Main Lab
Resistance To Fire	BS EN 1363-2	Fire resistance tests - Part 2: Alternative and Additional Procedures Excluding: 4, 5, 6, 7, 8.2	Street 41/Main Lab
Resistance To Fire	BS EN 1364-1	Fire resistance tests for non-loadbearing elements Part 1: Walls Excluding: 9.5	Street 41/Main Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 46 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Resistance To Fire	BS EN 1634-1+A1	Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware Part 1: Fire resistance test for doors, shutters and openable windows. Excluding: 8.2	Street 41/Main Lab
Resistance To Fire	BS 476-20	Fire Tests on Building Materials and Structure Part 20: Method of Determination of the Fire Resistance of Elements of Construction (General Principle) Excluding: 5.2, 5.3, 6.1.1b, 6.1.1c, 6.1.1d, 6.1.4, 6.2, 6.3, 9.1.2, 10.2, 11.2, 12I, A.4, A10, B, C.1.4, C4.1.3.2, C4.1.3.4, C7.3.3, C10.2, Fig. 1	Street 41/Main Lab
Resistance To Fire	BS 476-22	Fire Tests on Building Materials and Structure Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction. Excluding: 9, A.3	Street 41/Main Lab
Soil	ASTM D1140	Determining the Amount of Material Finer than 75- μ m (No. 200) Sieve in Soils by Washing	Street 41/Soil Lab
Soil	ASTM D1556/D1556M	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	Street 41/Soil Lab
Soil	ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))	Street 41/Soil Lab
Soil	ASTM D1883	CBR (California Bearing Ratio) of Laboratory-Compacted Soils (Soaked)	Street 41/Soil Lab
Soil	ASTM D2216-10	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	Street 41/Soil Lab
Soil	ASTM D4253	Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	Street 41/Soil Lab
Soil	ASTM D4254	Standard Test Methods for Manimum Index Density and Unit Weight of Soils and calculation of relative density	Street 41/Soil Lab
Soil	ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	Street 41/Soil Lab
Soil	ASTM D4429	Standard Test Method for CBR (California Bearing Ratio) of Soils in Place	Street 41/Soil Lab
Soil	ASTM D4718/D4718M	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	Street 41/Soil Lab
Soil	ASTM D4944	Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester	Street 41/Soil Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 47 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Soil	ASTM D5334	Standard Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure	Street 41/Soil Lab
Soil	ASTM D6913	Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	Street 41/Soil Lab
Soil	ASTM D6938	Standard Test Method for In-Place Density and Water Content of Soil and Soil- Aggregate by Nuclear Methods (Shallow Depth)	Street 41/Soil Lab
Soil	ASTM D7625	Abrasiveness of Rock Using the CERCHAR Method	Street 41/Soil Lab
Soil	BS 1377-2 CL 3.2	Methods of test for Soils for civil engineering purposes (Determination of Moisture Content (Oven Drying method))	Street 41/Soil Lab
Soil	BS 1377-2 CL 4.5	Determination of Liquid Limit (Casagrande Method)	Street 41/Soil Lab
Soil	BS 1377-2 CL 5	Methods of test for Soils for civil engineering purposes (Determination of Plastic Limit and Plasticity Index)	Street 41/Soil Lab
Soil	BS 1377-2 CL 6.5	Methods of test for Soils for civil engineering purposes (Linear shrinkage)	Street 41/Soil Lab
Soil	BS 1377-2 CL 7	Methods of test for Soils for civil engineering purposes (Linear shrinkage)	Street 41/Soil Lab
Soil	BS 1377-2 CL 9.2	Determination of Particle Size Distribution (Wet Sieve Method)	Street 41/Soil Lab
Soil	BS 1377-2 CL 9.3	Determination of Particle Size Distribution (Dry Sieve Method)	Street 41/Soil Lab
Soil	BS 1377-4 CL 3.2 & 3.5 & 3.6	Methods of test for Soils for civil engineering purposes Compaction Related Test (Proctor Test) (Using 4.5 kg Rammer)	Street 41/Soil Lab
Soil	BS 1377-4 CL 7	Determination of California Bearing Ratio (CBR)	Street 41/Soil Lab
Soil	BS 1377-9 CL 2.1	In-Situ Density Test (Sand Replacement Method- Small Pouring Cylinder)	Street 41/Soil Lab
Soil	BS 1377-9 CL 2.2	Methods of test for Soils for civil engineering purposes (In-Situ Density Test (Sand Replacement Method - Large Pouring Cylinder))	Street 41/Soil Lab
Soil	BS 1377-9 CL 2.5	Methods of test for Soils for civil engineering purposes (In-Situ Density Test (Nuclear Gauge Method))	Street 41/Soil Lab
Soil	BS 1377-9 CL 4.1	Determination of the vertical deformation of soil by plate loading test	Street 41/Soil Lab
Soil	BS EN 13286-41	Unbound and hydraulically bound mixtures (Test method for determination of the compressive strength of hydraulically bound mixtures)	Street 41/Soil Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 48 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Soil	BS EN 13286-51	Unbound and hydraulically bound mixtures (Method for the manufacture of test specimens of hydraulically bound mixtures using vibrating hammer compaction)	Street 41/Soil Lab
Soil	BS EN 17892-1	Methods of test for Soils for civil engineering purposes (Determination of Moisture Content (Oven Drying method))	Street 41/Soil Lab
Soil	BS EN 17892-4	Determination of Particle Size Distribution (Wet Sieve Method)	Street 41/Soil Lab
Soil	BSEN 17892-4	Determination of Particle Size Distribution (Dry Sieve Method)	Street 41/Soil Lab
Soil	BS EN 17892-12	Determination of Liquid Limit (Casagrande Method)	Street 41/Soil Lab
Soil	BS EN 17892-12	Methods of test for Soils for civil engineering purposes (Determination of Plastic Limit and Plasticity Index)	Street 41/Soil Lab
Soil	BS EN ISO 17892-1	Determination of water content	Street 41/Soil Lab
Soil	BS EN ISO 17892-2	Determination of bulk density	Street 41/Soil Lab
Soil	ISO/TS 17892	Determination of Atterberg limits	Street 41/Soil Lab
Steel	ASME_BPVC_2021- Section IX	ASME Boiler and Pressure Vessel Code Qualification Standard for Welding, Brazing, and Fusing Procedures: Welders> Brazers: and Welding, Brazing, and Fusing Operators Clause: QW-140-1 Types and purposes of test and Examinations QW-150-Tension Test QW-160-Guided Bend Test QW-183-184Macro Examination Test	Street 41/ Metallurgy Lab
Steel	ASTM A370 CL 6	Mechanical Testing of Steel Products	Street 41/ Metallurgy Lab
Steel	ASTM A416/A416M	Standard Specification for Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete	Street 41/ Metallurgy Lab
Steel	ASTM A416/A416M	Yield Strength— Elongation - Breaking Strength	Street 41/ Metallurgy Lab
Steel	ASTM A615/A615M	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	Street 41/ Metallurgy Lab
Steel	ASTM A931	Standard Test Method for Tension Testing of Wire Ropes and Strand	Street 41/ Steel Lab
Steel	ASTM A1034	Standard Test Methods for Testing Mechanical Splices for Steel Reinforcing Bars Monotonic Tension test Monotonic Compression test	Street 41/ Metallurgy Lab
Steel	ASTM A1061/ A1061M	Yield Strength— Elongation - Breaking Strength	Street 41/ Metallurgy Lab
Steel	BS 4449 App.C, CL 6.1	Bend Test	Street 41/ Metallurgy Lab
Steel	BS 4449: App.E CL E1.6	Rebend Test	Street 41/ Metallurgy Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 49 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Steel	BS 4449+A3 (App.C, CL 1.4)	Metallic Materials Tensile Testing (Tensile Test)	Street 41/ Metallurgy Lab
Steel	BS 5896	Tensile test - Yield Strength— Elongation	Street 41/ Metallurgy Lab
Steel	BS EN 124 CL 8	Load Test	Street 41/ Metallurgy Lab
Steel	BS EN 124-1	Load Test	Street 41/ Metallurgy Lab
Steel	BS EN 124-2	Load Test- Gully tops and manhole tops made of cast iron	Street 41/ Metallurgy Lab
Steel	BS EN 124-3	Load Test- Gully tops and manhole tops made of steel or aluminum alloys	Street 41/ Metallurgy Lab
Steel	BS EN 124-4	Load Test- Gully tops and manhole tops made of steel reinforced concrete	Street 41/ Metallurgy Lab
Steel	BS EN 124-5	Load Test- Gully tops and manhole tops made of composite materials	Street 41/ Metallurgy Lab
Steel	BS EN 124-6	Load Test- Gully tops and manhole tops made of polypropylene (PP), polyethylene (PE) or unplasticized poly (vinyl chloride) (PVC-U)	Street 41/ Metallurgy Lab
Steel	BS EN 10002-1	Tensile Test	Street 41/ Metallurgy Lab
Steel	BS EN ISO 6892-1- CL 18	Metallic Materials Tensile Testing (Tensile Test)	Street 41/ Metallurgy Lab
Steel	BS EN ISO 15630-3 Clause 9	Steel for the reinforcement and prestressing of concrete - Test Methods, Part 3 - Prestressing Steel - CL 9 Isothermal stress relaxation test	Main Lab
Steel	ISO 15630-1 CL 5 (E)	Metallic Materials Tensile Testing (Tensile Test)	Street 41/ Metallurgy Lab
Steel	ISO 15630-3(E)	Tensile test - Yield Strength— Elongation	Street 41/ Metallurgy Lab
Steel Chemistry	ASTM E415	Standard Test Method for Analysis of Carbon and Low- Alloy Steel by Spark Atomic Emission Spectrometry (C, Si,S, P, Mn, Ni, Cr, Mo,Cu, Sn, Al, V, Pb, V)	Street 41/ NDT Section
Thermal insulating products	ASTM C518-17	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	Street 41/
Thermal insulating products	ASTM D1621-16	Standard Test Method for Compressive Properties of Rigid Cellular Plastics.	Street 41/
Thermal insulating products	ASTM D1622/D1622M-14	Standard Test Method for Apparent Density of Rigid Cellular Plastics.	Street 41/
Thermal insulating products	ASTM D2842-19	Standard Test Method for Water Absorption of Rigid Cellular Plastics.	Street 41/

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 50 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Thermal insulating products	BS EN 1602:1997	Determination of Apparent Density	Street 41/
Thermal insulating products	BS EN 1607:2013	Thermal insulating products for building applications. Determination of tensile strength perpendicular to faces	Street 41/
Thermal insulating products	BS EN 1609:2013	Thermal insulating products for building applications. Determination of short term water absorption by partial immersion	Street 41/
Thermal insulating products	BS EN ISO 16535:2019	Thermal insulating products for building applications. Determination of long-term water absorption by immersion	Street 41/
Thermal insulating products	EN ISO 148-1:2016	Standard test method for Charpy Impact Pendulum Test	Street 41/
Thermal insulating products	ISO 945-1:2019	Standard test method for Graphite Classification for Visual Analysis	Street 41/
Thermal performance of building material and products	BS EN 12664	Thermal performance of building materials and products - Determination of thermal resistance (R value) by heat flow meter method.	Street 41/ Main Lab
Toys	BS EN 71-1	Safety of toys. Mechanical and physical properties, CL 8.8 Compression test, CL 8.9 Soaking test-clause, CL 8.4 Tension test-clause, CL 8.5 Drop test-clause, CL 8.21 Static strength test, CL 8.2 Small parts cylinder, CL 8.11 Sharpness of edges, CL 8.12 Sharpness of points, CL 8.10 thru 8.10.3 Accessibility of a part or component	Street 41 / Soil section
Toys	BS EN 71-2 +A1	Flammability test	Street 41 / Soil section
Toys	BS EN 71-3 +A2-3	Safety of Toys: Migration of Certain Elements – Aluminum, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium (III), Chromium (VI), Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin, Zinc	Street 41 / Chemical section
UPVC Pipe	ASTM D256 – 04 Method A	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics Method A	Street 41/Main Lab
UPVC Pipe	BS EN ISO 527-1 CL 10.1	Plastics — Determination of tensile properties Part 1: General principles, 10.1 Stress	Street 41/Main Lab
UPVC Pipe	BS EN ISO 527-2	Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics	Street 41/Main Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 51 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
UPVC Pipe	BS EN 727:1995	Plastics piping and ducting systems — Thermoplastics pipes and fittings — Determination of Vicat softening temperature (VST)	Street 41/Main Lab
UPVC Pipe	BS EN 1401-1 CL 6.2	Plastic piping systems for non-pressure underground drainage and sewerage — Unplasticized poly (vinyl chloride) (PVC-U) Part 1: Specifications for pipes, fittings and the system, Cl 5.1 Appearance, colour, Cl 5.2 Colour, Cl 6.2.1 Outside diameters Cl 6.2.2 Out of roundness Cl 6.2.5 Wall thickness	Street 41/Main Lab
UPVC Pipe	BS EN 1401-1 CL 12	Plastic piping systems for non-pressure underground drainage and sewerage — Unplasticized poly (vinyl chloride) (PVC-U) Part 1: Specifications for pipes, fittings and the system 12. Marking	Street 41/Main Lab
UPVC Pipe	EN ISO 3126 CL 5.2, 5.3.2, 5.3.3, 5.3.4, 5.4	Plastics piping systems — Plastics components — Determination of dimensions, 5.2 Wall Thickness, 5.3.2 Measurement of maximum and minimum diameter, 5.3.3 Mean Outside Diameter, 5.3.4 Mean Inside Diameter, 5.4 Out-of-Roundness	Street 41/Main Lab
UPVC Pipe	ISO 1167-1	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method	Street 41/Main Lab
UPVC Pipe	ISO 1167-2	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces	Street 41/Main Lab
UPVC Pipe	ISO 1183-1 CL 5.1	Plastics — Methods for determining the density of non-cellular plastics Part 1: Immersion method, liquid pyknometer 5.1 Method A — Immersion method	Street 41/Main Lab
UPVC Pipe	ISO 2505:2005	Thermoplastics pipes — Longitudinal reversion — Test method and parameters	Street 41/Main Lab
Water proofing Membrane & Rubber	ASTM D412	Tensile strength of Vulcanized Rubber and Thermoplastic Elastomers	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D543	Evaluating the Resistance of Plastics to Chemical Reagents	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D570	Water Absorption of Plastics	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D638	Tensile Properties of Plastics	Street 41/ Geotextile & Membrane Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 52 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Water proofing Membrane & Rubber	ASTM D792	Density and Specific Gravity (Relative Density) of Plastics by Displacement	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D882	Tensile Properties of Thin Plastic Sheeting	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D903	Peel or Stripping Strength of Adhesive Bonds	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D1000	Pressure-Sensitive Adhesion to Primed Concrete	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D1004	Tear Resistance (Graves Tear) of Plastic Film and Sheeting	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D1238	Melt Flow Rates of Thermoplastics by Extrusion Plastometer	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D1653	Vapor Permeability of Internal	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D1709	Impact Resistance of Plastic Film by the Free- Falling Dart Method	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D1876	Peel Resistance of Adhesives (T-Peel Test)	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D2240	Rubber Property— Durometer Hardness	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D3767	Rubber—Measurement of Dimensions (Thickness)	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM D4060	Abrasion Resistance of Organic Coatings by the Taber Abraser	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM E96/E96M	Water Vapor Transmission of Materials	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ASTM E154 CL 10	Resistance to Puncture	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	BS EN 1849-2	Determination of thickness and mass per unit area of Plastic and rubber sheets	Street 41/ Geotextile & Membrane Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 53 of 54

IAS/TL-ASHGHAL/100-2



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No./ Date	Standard/ Method Title & Section	Location/ Facility
Water proofing Membrane & Rubber	DIN 54307	CBR test	Street 41/ Geotextile & Membrane Lab
Water proofing Membrane & Rubber	ISO 527-1	Tensile Properties of Plastics	Street 41/ Geotextile & Membrane Lab

TL-343

ARAB CENTER FOR ENGINEERING STUDIES ACES-DOHA

Effective Date March 26, 2025

Page 54 of 54

IAS/TL-ASHGHAL/100-2

