CERTIFICATE OF ACCREDITATION

This is to attest

UNITED GULF CONSTRUCTION CO. W.L.L UGCC CENTRAL LABORATORY

SULAIBIYA, KABAD, PLOT # 9,11,13
KUWAIT 2005, STATE OF KUWAIT

Testing Laboratory TL-853

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 September 3, 2025

International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

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UNITED GULF CONSTRUCTION CO. W.L.L UGCC CENTRAL LABORATORY

Location	Address	Contact Name	Contact Phone	Scope Pages
TL-853 Main	Sulaibiya , kabad , plot 9,11,13 Kuwait, 2005	Karam Sabar	+965-22054250	2-3
TL-1354	Salmi Area , Kuwiat 2005 kuwait, 2005	Karam Sabar	+965-22054250	4-5

Accredited to ISO/IEC 17025:2017 *Effective Date September 3, 2025*

TL-853
Main

PHYSICAL - ASPHALT - BITUMEN TESTS	
AASHTO T 315-12	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
AASHTO T 350-14	Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
ASTM D5/D5M-13	Penetration of Bituminous Materials
ASTM D36/D36M-14	Softening Point of Bitumen (Ring-and-Ball Apparatus)
ASTM D92-18	Flash and Fire Points by Cleveland Open Cup Tester
ASTM D113-17	Ductility of Asphalt Materials
ASTM D4402/D4402M-15	Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer
ASTM D5546-09	Solubility of Asphalt Binders in Toluene by Centrifuge
ASTM D6521-18	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)
ASTM D6648-08 (Reapproved 2016)	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)
PHYSICAL - ASPHALT HMA MIXTURES	
AASHTO T 283-14	Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage
ASTM D2041/D2041M-11	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures

ASTM D2172/D2172M-17e1	Quantitative Extraction of Asphalt Binder from Asphalt Mixtures
ASTM D2726/D2726M-19	Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures
ASTM D5581-07a (Reapproved 2013)	Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 Inch-Diameter Specimen)
ASTM D6307–19	Asphalt Content of Asphalt Mixture by Ignition Method
ASTM D6926-16	Preparation of Asphalt Mixture Specimens Using Marshall Apparatus
ASTM D6931-17	Indirect Tensile (IDT) Strength of Asphalt Mixtures
PHYSICAL – AGGREGATES TESTS	
AASHTO T 304-17	Uncompacted Void Content of Fine Aggregate, Method A only
ASTM C88/C88M-18	Soundness of Fine Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C88/C88M-18	Soundness of Coarse Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C117-17	Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C127-15	Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
ASTM C128-15	Relative Density (Specific Gravity) and Absorption of Fine Aggregate, excluding Volumetric Method
ASTM C136/C136M-14	Sieve Analysis of Fine and Coarse Aggregates
ASTM D2419-14	Sand Equivalent Value of Soils and Fine Aggregate
ASTM D4791-10	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
ASTM D5821-13 (Reapproved 2017)	Determining the Percentage of Fractured Particles in Coarse Aggregate
BS 812-110:1990	Determination of aggregate crushing value (ACV)
PAVEMENT EVALUATION TESTS	
ASTM E1926 - 08(2021)	Standard Practice for Computing International Roughness Index of Roads from Longitudinal Profile Measurements

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Physical - Asphalt - Bitumen Tests	
AASHTO T 350-14	Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Usinq a Dynamic Shear Rheometer (DSR)
ASTM D 6521-18	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)
ASTM D6648- - 08 (Reapproved 2016)	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)
AASHTO T 315-12	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
ASTM D5/D5M-13	Penetration of Bituminous Materials
Physical – Aggregate Tests	
ASTM D2419 - 14	Sand Equivalent Value of Soils and Fine Aggregate
ASTM D4791-10	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
ASTM C88 / C88M - 18	Soundness of Fine Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C127 - 15	Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
ASTM C128- 15	Relative Density (Specific Gravity) and Absorption of Fine Aggregate
ASTM C136 / C136M - 14	Sieve Analysis of Fine and Coarse Aggregates
Physical – Asphalt HMA Mixtures	
ASTM D2041 / O2041M - 11	Theoretical Maximum specific gravity and density of Bituminous Paving Mixtures
ASTM 06926 -16	Preparation of Asphalt Mixture Specimens Using Marshall Apparatus
ASTM 5581-07 (Reapproved 2021)	Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 Inch-Diameter Specimen)
ASTM D2726/D2726M-19	Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures
ASTM D 2172 / 2172M – 17 – Method B	Quantitative Extraction of Asphalt Binder from Asphalt Mixtures
ASTM D 6931-17	Indirect Tensile (IDT) Strength of Asphalt Mixtures

AASHTO T 283-14	Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage