CERTIFICATE OF ACCREDITATION

This is to attest

ARAB COMPANY FOR LABORATORIES AND SOIL (ACES AL HASA)

PALESTINE STREET
AL MUBARRAZ-AL HASA, 64610, SAUDI ARABIA

Testing Laboratory TL-1160

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.

Expiry Date August 1, 2026

Effective Date September 16, 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.

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ARAB COMPANY FOR LABORATORIES AND SOIL (ACES AL HASA)

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Accredited to ISO/IEC 17025:2017 *Effective Date September 16, 2025*

CONCRETE	
ASTM C39/ 39M	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
ASTM C42/ 42M	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
ASTM C94	Standard Specification for Ready-Mixed Concrete
ASTM C78	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
ASTM C138 / C138M	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
ASTM C140	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
ASTM C143 / C143M	Standard Test Method for Slump of Hydraulic-Cement Concrete
ASTM C172 / C172M	Standard Practice for Sampling Freshly Mixed Concrete
ASTM C173	Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method
ASTM C231 / C231M	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C511	Standard Specification for Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes
ASTM C617 / C617M	Standard Practice for Capping Cylindrical Concrete Specimens
ASTM C642	Standard test method for density, absorption, and voids in hardened concrete
ASTM C805 / C805M	Standard Test Method for Rebound Number of Hardened Concrete
ASTM C1064 / C1064M	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1231	Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Cylindrical Concrete Specimens
ASTM C1602	Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete

ASTM C1611	Standard Test Method for Slump Flow of Self-Consolidating Concrete
BS EN 1881 Part 107 and 6722	Testing Concrete Methods for analysis of hardened concrete
BS EN 12350-6	Method for determination of density of compacted fresh concrete
BS EN 12504-1	Testing concrete in structures. Cored specimens. Taking, examining and testing in compression
ASTM C 31	Standard Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C495/C495M	Standard Test Method for Compressive Strength of Lightweight Insulating Concrete
SOIL	
ASTM D422	Standard Test Method for Particle-Size Analysis of Soils (Withdrawn 2016)
ASTM D698	Standard test methods for laboratory compaction characteristics of soil using standard effort (12,400 ft-lbf/ ft3 (600 kN-m/m3))
ASTM D854	Standard Test methods for specific gravity of soil solids by water pycnometer
ASTM D1140	Standard Test Methods for Determining the Amount of Material Finer than 75-µm (No. 200) Sieve in Soils by Washing
ASTM D1194	Standard Test methods for bearing capacity of soils for static load and spread footings
ASTM D1556 / D1556M	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3)).
ASTM D1883	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils
ASTM D2166/D2166M	Standard test method for unconfined compressive strength of cohesive soil
ASTM D2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D4253	Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table
ASTM D4254	Standard Test Methods for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density
ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4429	Standard test method for CBR (California bearing ratio) of soils in place
ASTM D5731	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications

ASTM D6913	Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis
ASTM D6938	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
ASTM D1195	Standard Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils.
CEMENT	
ASTM C109 / C109M	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens
ASTM C150	Standard specification for Portland cement
ASTM C187	Standard Test Method for Amount of Water Required for Normal Consistency of Hydraulic Cement Paste
ASTM C188	Standard Test Method for Density of Hydraulic Cement
ASTM C191	Standard Test Methods for Time of Setting of Hydraulic Cement by Vicat Needle
ASTM C204	Standard Test method for fineness of hydraulic cement by air permeability apparatus
ASTM C230 / C230M	Standard Specification for Flow Table for Use in Tests of Hydraulic Cement
ASTM C579	Standard Test Methods for Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacings, and Polymer Concretes
ASTM C989	Standard Specification for Slag Cement for Use in Concrete and Mortars
ASTM C1107/C1107M	Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Non-shrink)
BS EN 196-1	Methods of testing cement Determination of strength
BS EN 413-2	Masonry cement-Test methods
AGGREGATE	
ASTM C29/C29M	Standard test method for bulk density (“unit weight”) and voids in Aggregate
ASTM C40	Organic impurities in fine aggregates for concrete
ASTM C88	Standard test method for soundness of aggregates by use of sodium sulfate or magnesium sulfate
ASTM C117	Standard test method for materials finer than 75-µm (no. 200) sieve in mineral aggregates by washing
ASTM C123/C123M	Standard Test Method for Lightweight Particles in Aggregate
ASTM C127	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine 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

ASTM C136/C136M	Standard test method for sieve analysis of fine and coarse aggregates
ASTM C142/C142M	Standard test method for clay lumps and friable particles in aggregates
ASTM C535	Standard test method for resistance to degradation of large-size coarse aggregate by abrasion and impact in the Los Angeles machine
ASTM D75/D75M	Standard practice for sampling aggregates
ASTM D2419	Standard test method for sand equivalent value of soils and fine aggregate
ASTM D4791	Standard test method for flat particles, elongated particles, or flat and elongated particles in coarse aggregate
ASTM C702/ C702M	Standard Practice for Reducing Samples of Aggregate to Testing Size
ASPHALT	
ASTM D979	Standard Practice for Sampling Asphalt Mixtures
ASTM D1188	Standard Test Method for Bulk Specific Gravity and Density of Compacted Asphalt Mixtures Using Coated Samples
ASTM D2041/D2041M	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures
ASTM D2172/D2172M	Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures
ASTM D2726/D2726M	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures
ASTM D3549/D3549M	Standard Test Method for Thickness or Height of Compacted Asphalt Mixture Specimens
ASTM D4867	Standard Test Method for Effect of Moisture on Asphalt Mixtures
ASTM D5361	Standard Practice for Sampling Compacted Asphalt Mixtures for Laboratory Testing
ASTM D5444	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate
ASTM D6307	Standard Test Method for Asphalt Content of Asphalt Mixture by Ignition Method
ASTM D6926	Standard Practice for Preparation of Asphalt Mixture Specimens Using Marshall Apparatus
ASTM D6927	Standard test method for Marshall stability and flow of asphalt mixtures
BE EN 12697-39	Bituminous mixtures. Test methods for hot mix asphalt. Binder content by ignition (Method B only)
ASTM D140/D140M-16(2023)	Standard Practice for Sampling Asphalt Materials
BITUMEN	
ASTM D5/D5M	Standard Test Method for Penetration of Bituminous Materials
ASTM D36/D36M	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)
ASTM D70/D70M	Standard Test Method for Specific Gravity and Density of Semi-Solid Asphalt Binder (Pycnometer Method)

ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester
ASTM D2995	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors
ROCKS	
ASTM D2216	Standard test methods for laboratory determination of water (moisture) content of soil and rock by mass
ASTM D5731	Standard test method for determination of the point load strength index of rock and application to rock strength classifications
BS EN 13383-2	Determination of particle density and water absorption (rock) (Clause 8 only)
BS EN 13383-2 (Except Section 9 and 10)	Armourstone Testing
BS EN 1367-2	Test for thermal and weathering properties aggregates-part 2: Magnesium sulfate test.
BS 13383-2	Determination of particle density and water absorption (rock) (Clause 8 only)
BS 13383-2	Armourstone Testing
BS EN 1367-2	Magnesium sulfate test of rock material
BS EN 1926	Rock unconfined compressive strength
BS EN 12390-3	Testing hardened concrete. Compressive strength of test specimens
CIRIA SP83/ CR 154	Rock block integrity – Drop test
CIRIA SP83/ CR 154	Rock grading
CIRIA SP83/ CR 154, A2.3	Rock shape
CIRIA SP83 Appendix 2	Rock – Density & water absorption