



CERTIFICATE OF ACCREDITATION

This is to attest that

**ADVANCED CONSTRUCTION TECHNOLOGY SERVICES (ACTS)
AL MABANI GENERAL CONTRACTORS SPORTS BOULEVARD
SATELLITE LAB**

PRINCE MOHAMMAD BIN SALMAN ROAD
RIYADH, 14274, KINGDOM OF SAUDI ARABIA

Testing Laboratory TL-1161

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 26, 2023



A handwritten signature in black ink, reading 'Raj Nathan'.

President

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

ADVANCED CONSTRUCTION TECHNOLOGY SERVICES (ACTS)

AL MABANI GENERAL CONTRACTORS SPORTS BOULEVARD SATELLITE LAB

www.acts-int.com

Contact Name Wajahat Iqbal

Contact Phone +966 570981961

Accredited to ISO/IEC 17025:2017

Effective Date September 26, 2023

Soil and Aggregate	
AASHTOT88	Standard Method of Test for Particle Size Analysis of Soils
ASTM C29	Standard Test Method for Bulk Density
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- μ m (No. 200) Sieve In Mineral Aggregates by washing
ASTM C127	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
ASTM C128	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate
ASTM C131	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	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 D422	Standard Test Method for Particle-Size Analysis of Soils
ASTM D1194	Standard Test Method for Bearing Capacity of Soil for Static Load and Spread Footings
ASTM D1195	Standard Test Method for Repetitive Static Plate Tests of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements



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ASTM D1196	Standard Test Method for Nonrepetitive Static Plate Tests of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements
ASTM D1556/D1556M	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method- FDT
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft.-lbf/ft ³ 12 700 kN-m/m ³)
ASTM D1883	Standard Test Method for California Bearing Ratio (CBR) of Laboratory Compacted Soils
ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4718	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D4791	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
ASTM D6938	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
BS 812-110:1990	Testing aggregates. Methods for determination of aggregate crushing value
BS 812-111:1990	Testing aggregates. Methods for determination of ten per cent fines value
BS 812-112:1990	Testing aggregates. Method for determination of aggregate impact value
Concrete	
ACTS-SB-01-RO-23	Internal Developed method Thermocouple method - Heat of Hydration of concrete
ASTM C31/C31M	Standard Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C39	Standard Test Method for Compressive Strength of Cylindrical concrete Specimens
ASTM C42/C42M	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
ASTM C94/C94M	Standard Specification for Ready-Mixed Concrete- Concrete Plant Trial Mix
ASTM C94/C94M-22a	Standard Specification for Ready-Mixed Concrete- Concrete Uniformity Test (ANNEX A1. CONCRETE UNIFORMITY REQUIREMENTS).
ASTM C138/C138M	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete



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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
ASTM C172	Standard Practice for Sampling Freshly Mixed Concrete
ASTM C192/C192M1	Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory
ASTM C231/C231M	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C403/C403M	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance-Concrete Setting Time
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-Measuring of temperature by relevant standards
ASTM C1314	Standard Test Method for Compressive Strength of Masonry Prisms
Asphalt	
A1141 TRL	Asphalt Paving Smoothness Test - Rolling straight Edge Highway Department, Guidance Notes on Road Testing, Research & Development Division. Reference No. RD/GN/009, September 1989. Section "Surface Irregularities Test Using a 3 m long Rolling Straightedge"
AASHTO 182	Standard Method of Test for Coating and Stripping of Bitumen- Aggregate Mixtures-Coating & Stripping test
ASTM D979/D979M	Standard Practice for Sampling Bituminous Paving Mixtures Sampling and monitoring of Asphalt works
ASTM D2041M	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures - Maximum theoretical specific gravity (GMM)
ASTM D2172	Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures-Bitumen Extraction
ASTM D2726M	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures - Bulk Sp. Gravity of Mix (GMB)
ASTM D2995	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors
ASTM D5361M	Standard Practice for Sampling Compacted Asphalt Mixtures for Laboratory Testing
ASTM D6927	Standard Test Method for Marshall Stability and Flow of Asphalt Mixtures - Flow and Stability

