



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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CONSTRUCTION MATERIALS TESTING

Valid To: August 31, 2023

Certificate Number: 3512.14

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for:

<u>Test Method:</u>	<u>Test Description:</u>
Aggregates:	
ASTM C29/C29M	Unit Weight and Voids in Aggregates
ASTM C70	Surface Moisture Content, Fine / Coarse Aggregates
ASTM C88	Soundness of Aggregates by Use of Sodium or Magnesium Sulfate
ASTM C117	Materials Finer than No. 200 / 0.075 mm Sieve in Mineral Aggregates by Washing
ASTM C127	Specific Gravity and Absorption of Coarse Aggregates
ASTM C128	Specific Gravity and Absorption of Fine Aggregates
ASTM C131/C131M	Resistance to Degradation of Small Size of Coarse Aggregates by Abrasion and Impact in LA Machine
ASTM C136/C136M	Sieve Analysis of Fine and Coarse Aggregates
ASTM C142/C142M	Clay Lumps and Friable Particles in Aggregates
ASTM C566	Total Moisture Content of Aggregates by Drying
ASTM D75/D75M ¹	Standard Practice for Sampling Aggregates
ASTM D4791	Flat and Elongated Particles
BS 812 Part 105.1	Flakiness and Elongation Index
Bituminous:	
ASTM D5/D5M	Penetration of Bitumen material
ASTM D979/D979M ¹	Sampling Bituminous Paving Mixtures
ASTM D2041/D2041M	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2172/D2172M	Quantitative Extraction of Bitumen from Bituminous Paving Mixtures
ASTM D2726/D2726M	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Saturated Surface Dry Specimen
ASTM D6926	Preparation of Bituminous Specimens Using Marshall Apparatus
ASTM D6927	Marshall Stability and Flow of Asphalt Mixtures
Concrete:	
ASTM C31/C31M	Making and Curing in the Field, Concrete Test Specimen
ASTM C39/C39M	Compressive Strength of Concrete Cylinders and Cubes
ASTM C42/C42M	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete

<u>Test Method:</u>	<u>Test Description:</u>
ASTM C138/C138M ¹	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
ASTM C143/C143M ¹	Slump of Portland Cement Concrete
ASTM C172/C172M ¹	Sampling Freshly Mixed Concrete
ASTM C231/C231M ¹	Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C109/109M	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens)
ASTM C579	Standard Test Methods for Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes
ASTM C617/C617M	Capping Cylindrical Concrete Specimens
ASTM C780 Annex A.6	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
ASTM C805	Standard Test Method for Rebound Number of Hardened Concrete
ASTM C1064/C1064M ¹	Temperature of Freshly Mixed Portland Cement Concrete
ASTM C1231/C1231M	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders
ASTM D6132	Standard Test Method for Non-destructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Coating Thickness Gage
BS EN 12350-1	Sampling of Fresh Concrete
BS EN 12350-2	Slump Test of Fresh Concrete
BS EN 12350-6	Density of Fresh Concrete
BS EN 12350-7	Air Content of Fresh Concrete
BS EN 12390-2	Making and Curing Specimens for Strength Tests
BS EN 12390-3	Compressive Strength of Test Specimens
BS EN 12390-7	Density of Hardened Concrete
<u>Soils:</u>	
ASTM D698	Laboratory Compaction Characteristics of Soil Using Standard Effort
ASTM D854	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer
ASTM D1140	Material in Soils Finer than No. 200 / 0.075mm Sieve
ASTM D1196	Standard Test Method for Nonrepetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements
ASTM D1556/D1556M ¹	Density and Unit Weight of Soil in Place by Sand Cone Method.
ASTM D1557	Compaction Characteristics of Soil Using Modified Effort
ASTM D1883	CBR of Laboratory Compacted Soil
ASTM D2216	Laboratory Determination of Moisture Content of Soil, Rock and Soil, Aggregate Mixtures
ASTM D2419	Sand Equivalent Value of Soils and Fine Aggregate
ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D4253	Maximum Index Density and Unit Weight of Soil Using a Vibratory Table
ASTM D4254	Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density
ASTM D4318	Liquid Limit, Plastic Limit, Plasticity Index of Solis

<u>Test Method:</u>	<u>Test Description:</u>
ASTM D6913/D6913M	Particle Size Distribution
ASTM D6938 ¹	Density of Soil and Soil-Aggregate in Place by Nuclear Methods
<u>Reinforced Steel Bars</u>	
ASTM A615/A615M, Section 9 Only	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement

¹ This laboratory performs field testing activities for these tests.

The laboratory is only accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specifications listed below. The inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications nor does it confer accreditation for the method(s) embedded within the specifications.

ASTM C94	Standard Specification for Ready-Mixed Concrete
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Accredited Laboratory

A2LA has accredited

FUGRO SUHAIMI CO. LTD

Riyadh, SAUDI ARABIA

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 30th day of August 2021.

A blue ink signature of the Vice President, Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3512.14
Valid to August 31, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.