



FUGRO SUHAIMI LTD  
Umer Bin Khattab Street  
12/23, Hai Al-Nuzha  
Abqaiq 1437/00250  
Saudi Arabia  
Smijith V.S. Phone: 0 096 63 857 4200

Valid To: April 30, 2024

Certificate Number: 3512.02

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

CONSTRUCTION MATERIALS TESTING

<b><u>Test Method:</u></b>	<b><u>Test Description:</u></b>
<b><u>Aggregates:</u></b>	
ASTM C29/C29M	Bulk Density (Unit Weight) and Voids in Aggregate
ASTM C70	Surface Moisture in Fine Aggregate
ASTM C88/C88M	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C117	Materials Finer than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C127	Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C131/C131M	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
ASTM C136/C136M	Sieve Analysis of Fine and Coarse Aggregates
ASTM C142/C142M	Clay Lumps and Friable Particles in Aggregates
ASTM C566	Total Evaporable Moisture Content of Aggregate by Drying
ASTM D75/D75M <sup>1</sup>	Practice for Sampling Aggregates
ASTM D2419	Sand Equivalent Value of Soils and Fine Aggregate
ASTM D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
<b><u>Bituminous:</u></b>	
ASTM D5/D5M	Bitumen Penetration
ASTM D75/D75M <sup>1</sup>	Sampling Aggregates
ASTM D2041/D2041M	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2172/D2172M	Quantitative Extraction of Asphalt Binder from Asphalt Mixtures
ASTM D2726/D2726M	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D5444	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate

<b><u>Test Method:</u></b>	<b><u>Test Description:</u></b>
ASTM D6307	Asphalt Content of Hot-Mix Asphalt by Ignition Method
ASTM D6926	Preparation of Bituminous Specimens Using Marshall Apparatus
ASTM D6927	Marshall Stability and Flow of Bituminous Mixtures
<b><u>Concrete:</u></b>	
ASTM C31/C31M <sup>1</sup>	Making and Curing Concrete Test Specimens in the Field
ASTM C39/C39M	Compressive Strength of Cylindrical Concrete Specimens
ASTM C42/C42M	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
ASTM C143/C143M <sup>1</sup>	Slump of Hydraulic-Cement Concrete
ASTM C172/C172M <sup>1</sup>	Sampling Freshly Mixed Concrete
ASTM C231/C231M <sup>1</sup>	Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C617/C617M	Capping Cylindrical Concrete Specimens
ASTM C805/C805M	Standard Test Method for Rebound Number of Hardened Concrete
ASTM C1064/C1064M <sup>1</sup>	Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1610/C1610M	Static Segregation of self consolidated concrete
ASTM C1611/C1611M	Slump flow of self-consolidated concrete
ASTM C1621/C1621M	J-Ring flow of self-consolidated concrete
BS EN 12350-1:2009	Method for Sampling Fresh concrete
BS EN 12350-2:2009	Slump Test
BS EN 12350-6:2009	Density of Fresh Concrete
BS EN 12350-7:2009	Air Content
BS EN 12390-2:2009 (Cylinders only)	Making Cubes from Fresh Concrete
BS EN 12390-3:2009	Determination of Compressive Strength of Cube
BS EN 12390-7:2009	Determination Density of Hardened Concrete
<b><u>Masonry:</u></b>	
C780 Annex A.6	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
<b><u>Soils:</u></b>	
ASTM D421(2007)	Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
ASTM D698	Laboratory Compaction Characteristics of Soil Using Standard Effort
ASTM D854	Density of Soil solids by Pycnometer
ASTM D1140	Amount of Material in Soils Finer than No. 200 (75-µm) Sieve
ASTM D1556/D1556M	In-Place Density by Sand Cone Method
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D1883	CBR (California Bearing Ratio) of Laboratory-Compacted Soils
ASTM D2216	Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D2487	Classification of Soil
ASTM D4253	Maximum Index Density and Unit Weight of Soils 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, and Plasticity Index of Soils

<b><u>Test Method:</u></b>	<b><u>Test Description:</u></b>
ASTM D6913/D6913M	Gradation of soils using Sieve Analysis
ASTM D6938 <sup>1</sup>	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
ASTM D 7928	Particle size distribution of grained soil using Hydrometer
<b><u>Non-destructive:</u></b>	
ASTM D6132	Non-destructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Coating Thickness Gage

<sup>1</sup> This laboratory performs field testing activities for these tests.

WITHDRAWN



# Accredited Laboratory

A2LA has accredited

**FUGRO SUHAIMI LTD**

*Abqaiq, 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 28<sup>th</sup> day of March 2022.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3512.02  
Valid to April 30, 2024

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