



CERTIFICATE OF ACCREDITATION

This is to attest that

SOIL & FOUNDATION COMPANY (APPLUS SAFCO)

(LB05) BATCHING PLANT AREA, NEOM CITY
NEOM, TABUK, 49625, SAUDI ARABIA

Testing Laboratory TL-1166

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 June 20, 2024



A handwritten signature in black ink that reads 'Raj Nathan'.

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

SOIL & FOUNDATION COMPANY (APPLUS SAFCO)

www.applus.com

Contact Name Miqdad Hussain

Contact Phone +966-557706365

Accredited to ISO/IEC 17025:2017

Effective Date June 20, 2024

Soil	
ASTM D854	Standard test method for Specific Gravity of Soil solids By Water Pycnometer
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
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	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method
ASTM D1557	Standard Test Methods Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))
ASTM D1883	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted 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 D3282	Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes
ASTM D4253	Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table
ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
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 D7928	Standard Test Method for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis

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ASTM G57	Standard Test Method for Measurement of Soil Resistivity Using the WennerFour-Electrode Method
DIN 18134	Determining the deformation and strength characteristics of soil by the plate loading test
Aggregate	
ASTM C29	Standard Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate
ASTM C33	Standard Specification for Concrete Aggregates
ASTM C40	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete
ASTM C88	Standard 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 C123	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 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	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
ASTM C702/C702M	Standard Practice for Reducing Samples of Aggregate to Testing Size
ASTM C142	Standard Test Method for Clay Lumps and Friable Particles in Aggregates
ASTM D75	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
Concrete	
ASTM C31/C31M	Standard Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C39/C39M	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
ASTM C42	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete

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ASTM C94 / C94M	Standard Specification for Ready-Mixed Concrete (Requirements for Uniformity of Concrete).
ASTM C109 / C109M	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
ASTM C140/C140M	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	Standard Practice for Sampling Freshly Mixed Concrete
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
ASTM C495	Standard Test Method for Compressive Strength of Lightweight Insulating Concrete (Foam Concrete)
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 C597	Standard Test Method for Ultrasonic Pulse Velocity Through Concrete
ASTM C617	Standard Practice for Capping Cylindrical Concrete Specimens
ASTM C805/C805M	Standard Test Method for Rebound Number of Hardened Concrete
ASTM C1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic Cement Concrete.
ASTMC1140	Standard Practice for Preparing and Testing Specimens from Shotcrete Test Panels
ASTM C1231	Use of Un-Bonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders
ASTM D6132	Standard Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Coating Thickness Gage
BS EN 12350-5	Testing fresh concrete-Part 5: Flow table test
BS EN 14488-2	Testing sprayed concrete-Part 2: Compressive strength of young, sprayed concrete
Asphalt	
AASHTO PP60	Standard Practice for Preparation of Cylindrical Performance Test Specimens Using the Superpave Gyrotory Compactor (SGC)
AASHTO T240	Standard Method of Test for Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)

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AASHTO T312	Standard Method of Test for Preparing and Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyratory Compactor
AASHTO T315	Standard Method of Test for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
AASHTO T316	Standard Method of Test for Viscosity Determination of Asphalt Binder Using Rotational Viscometer
AASHTO T350	Standard Method of Test for Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
ASTM D5	Standard Test Method for Penetration of Bituminous Materials
ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester
ASTM D140/D140M	Standard Practice for Sampling Asphalt Materials
ASTM D979	Standard Practice for Sampling Asphalt Mixtures
ASTM D2041	Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures
ASTM D2172	Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures
ASTM D2726	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D2872	Standard Method of Test for Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)
ASTM D2995	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors
ASTM D3549	Test Method for Thickness or Height of Compacted Asphalt Mixture Specimens
ASTM D4402	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer
ASTM D5444	Standard Test Method for Mechanical size Analysis of Extracted Aggregate
ASTM D6925	Standard Test Method for Preparation and Determination of the Relative Density of Asphalt Mix Specimens by Means of the Superpave Gyratory Compactor
ASTM D6926	Standard Practice for Preparation of Asphalt Mixture Specimens Using Marshall Apparatus
ASTM D6927	Test Method for Marshall Stability and Flow of Asphalt Mixtures
ASTM D7175	Standard Method of Test for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
ASTM D7405	Standard Method of Test for Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)

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Chemical	
ASTM D1293	Standard Test Methods for pH of Water
ASTM D5907	Test Methods for Filterable Matter (Total Dissolved Solids) and Nonfilterable Matter (Total Suspended Solids) in Water
Geotechnical	
ASTM D420	Standard Guide for Site Characterization for Engineering Design and Construction Purposes
ASTM D1586	Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils
ASTM D1587	Standard Practice for Thin-Walled Tube Sampling of Fine-Grained Soils for Geotechnical Purposes
ASTM D2113	Standard Practice for Rock Core Drilling and Sampling of Rock for Site Exploration
ASTM D2488	Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)
ASTM D4220	Standard Practices for Preserving and Transporting Soil Samples
ASTM D4543	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances
ASTM D5731	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications
ASTM D7012	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures
BS EN ISO 14689-1	Geotechnical investigation and testing. Identification and classification of rock