



## ACCREDITATION DOCUMENT

F-06/02  
Issue Date: 18/08/2020  
Rev. No: 09  
LAB 355

**Accreditation No: LAB 355**

**Awarded to**

**Arabian Testing Evolution Company (ATECO),  
Cultivated Area TABUK 47318,  
Kingdom of Saudi Arabia (KSA).**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **06-01-2026** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **05-01-2029**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

**PAKISTAN NATIONAL ACCREDITATION COUNCIL**

06-01-2026  
Date

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Director General



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## Testing Laboratory.

**Accreditation Scope of M/s Arabian Testing Evolution Company (ATECO),  
 Cultivated Area TABUK 47318, Kingdom of Saudi Arabia (KSA)**

### Permanent laboratory premises

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Concrete	Construction (Civil) Material Testing	Standard Practice for Making and Curing Concrete Test Specimens in the Field	ASTM C31
		Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	ASTM C39
		Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	ASTM C42
		Standard Test Method for Slump of Hydraulic-Cement Concrete	ASTM C143
		Standard Practice for Sampling Freshly Mixed Concrete	ASTM C172
		Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory	ASTM C192
		Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C 1064
		Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Cylindrical Concrete Specimens	ASTM C1231
		Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	ASTM C138

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	Standard Test Method for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens Under Varying States of Stress and Temperatures	ASTM D7012
	Standard Practice for Capping Cylindrical Concrete Specimens	ASTM C617
	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	ASTM D4543
	Method for determination of water absorption	BS 1881 part 122
	Standard Practice for Estimating Concrete Strength by the Maturity Method	ASTM C1074
	Standard Guide for Thermocouple Verification	ASTM E2846
	Standard Guide for Thermocouple Verification	ACI 301 Section 8.1.3.
	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C1202
	Testing hardened concrete Depth of penetration of water under pressure	BS EN 12390-8
	Determination of the initial surface absorption of concrete	BS 1881-208
	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units	ASTM C140
	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance	ASTM C403

		Standard Test Method for Rebound Number of Hardened Concrete	ASTM C805
		Standard Test Method for Compressive Strength of Concrete Cylinders Cast in Place in Cylindrical Molds	ASTM C873
		Standard Test Methods for Bleeding of Concrete	ASTM C232
		Standard Test Method for Density, Absorption, and Voids in Hardened Concrete	ASTM C642
		Standard Specification for Solid Concrete Interlocking Paving Units	ASTM C936
		Standard Practice for Preparing and Testing Specimens from Shotcrete Tensile Panels	ASTM C1140
		Standard Test Method for Flexural Toughness of Fiber Reinforced Concrete (Using Centrally Loaded Round Panel)	ASTM C1550
		Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)	ASTM C1583
		Standard Test Method for Rock Bolt Anchor Pull Test	ASTM D4435
		Testing fresh concrete - Part 5: Flow table test	BS EN 12350-5
		Testing hardened concrete Part 3: Compressive strength of test specimens	BS EN 12390-3
		Testing sprayed concrete - Part 2: Compressive strength of young sprayed concrete	BS EN 14488-2
		Test Method for Metallic Fibre Concrete - Measuring the Flexural Tensile Strength	BS EN 14651

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	Specification for Steel Fibres for Fibres-Reinforced Concrete	EFNARC 1996/ ASTM A820
	Standard Test Method for Length Change of Hardened Cement Mortar and Concrete	ASTM C157
	Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method	ASTM C173
	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	ASTM C231
	Determining and Evaluating Causes of Water Leakage of Exterior Walls	ASTM E2128
	Standard Specification for Ready-Mixed Concrete	ASTM C94
	Standard Test Method for Pulse Velocity Through Concrete	ASTM C597
	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete	ASTM C 1604
	(Standard Test Methods for Time of Setting of Hydraulic Cement by Vicat Needle)	ASTM C191
	(Standard Test Method for Effect of Moisture on Asphalt Concrete Paving Mixtures)	ASTM D4867
	Standard Test Method for Sampling and Testing Grout for Masonry	ASTM C1019
	(Determination of the chloride resistance of concrete, unidirectional diffusion)	BS EN 12390-11
	(Determination of drying shrinkage)	EN 1367-4
	(Standard Specification for Silica Fume Used in Cementitious Mixtures)	ASTM C1240

	(Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete)	ASTM C618
	(Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete)	ASTM C1602
	(Standard Test Method for Splitting Tensile Strength of Intact Rock Core Specimens with Flat Loading Platens)	ASTM D3967
	(Standard Specification for Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes)	ASTM C511
	(Standard Test Methods for Acidity or Alkalinity of Water)	ASTM C1067
	(Standard Test Method for Measuring Deflections Using a Portable Impulse Plate Load Test Device)	ASTM E2835
	Standard Practice for Proportioning Grout Mixtures for Preplaced-Aggregate Concrete	ASTM C938
	Standard Test Method for Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method)	ASTM C939
	Standard Test Method for Expansion and Bleeding of Freshly Mixed Grouts for Preplaced-Aggregate Concrete in the Laboratory	ASTM C940
	Standard Test Method for Air Content of Hydraulic Cement Mortar	ASTM C185
	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens)	ASTM C109

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		Test Report for Comparative Moisture condition Of Concrete ,Gypsum-Cement and Other Floor Slab	ASTM F 2659
Aggregate	Construction (Civil) Material Testing	Standard Test Method for Bulk Density (“Unit Weight”) and Voids in Aggregate	ASTM C29
		Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88
		ASTM C117 Standard Test Method for Materials finer than 75-um (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117
		ASTM C127 Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127
		ASTM C128 Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	ASTM C128
		Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131
		Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	ASTM C136
		Standard Test Method for Clay Lumps and Friable Particles in Aggregates	ASTM C142

		Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535
		Standard Practice for Sampling Aggregates	ASTM D75
		Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419
		Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	ASTM D4791
		Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	ASTM C40
		(Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate)	ASTM D5821
		(Standard Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading))	ASTM C1252
		Standard Test Method for Lightweight Particles in Aggregate	ASTM C123
		Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying	ASTM C566
		Testing aggregates. Methods for determination of particle shape - Elongation index and Flakiness Index of coarse aggregate	BS 812-105.1/ BS 812-105.2
		Tests for chemical properties of aggregates	BS EN 1744
Soil	Construction (Civil) Material Testing	Standard Test Method for Repetitive Static Plate Tests of Soils and Flexible	ASTM D1195M

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	Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements	
	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 D1196
	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft <sup>3</sup> (2,700 kN-m/m <sup>3</sup> ))	ASTM D1557/AASHTO T180
	Standard Test Method for CBR (California Bearing Ratio) of Laboratory-Compacted Soils	ASTM D1883/AASHTO T193
	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216
	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318
	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	ASTM D6938
	Standard Test Method for Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	ASTM G57
	Methods of Test for Soils for Civil Engineering Purposes Part 9: In-Situ Tests	BS 1377-9
	Soil – Testing procedures and testing equipment – Plate load test	DIN 18134

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		Standard Test Method for Density of Soil and Rock in Place by the Water Replacement Method in a Test Pit	ASTM D5030
		Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	ASTM D4253
		Standard Test Methods for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	ASTM D4254
		Standard Test Method for Density and Unit Weight of Soil in Place by the Sand- Cone Method	ASTM D1556
		Standard Test Method for Particle-Size Analysis of Soil	ASTM D422
		Standard Test Method for Determining Amount Material Finer than 75- $\mu$ m (No.200) Sieve in Soils by Washing	ASTM D1140
		Reducing Samples of Aggregates to Testing Size	ASTM C702
		Standard Practice for Dry Preparation of Soil Samples for Particle-Size	ASTM D421
		Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve	ASTM D6913 /AASHTO T311
		Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations	ASTM D5882
		Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes	ASTM D3282
		Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	ASTM D2487

		Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	ASTM D4718
		Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft <sup>3</sup> (600 kN-m/m <sup>3</sup> ))	ASTM D698
		Standard Test Methods for Particle Size Analysis of Natural and Man-Made Riprap Materials	ASTM D5519
		(Standard Test Method for Determination of the Point Load Strength Index of Rock)	ASTM D5731
		Falling head in case constant head is impracticable due high permeability	AGI 1977 Constant Head Type
Asphalt	Construction (Civil) Material Testing	Standard Practice for Sampling Bituminous Paving Mixtures	ASTM D979
		Standard Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures	ASTM D2041
		Standard Test Methods for Quantitative Extraction of Bitumen from Bituminous Paving Mixtures	ASTM D2172
		Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	ASTM D2726
		Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods	ASTM D2950
		Standard Practice for Sampling Compacted Asphalt Mixtures for Laboratory Testing	ASTM D5361

	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	ASTM D5444
	Standard Practice for Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	ASTM D6927
	Standard Practice for Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	ASTM D6926
	Standard Test Method for Preparation and Determination of the Relative Density of Asphalt Mix Specimens by Means of the Superpave Gyrotory Compactor	ASTM D6925
	Standard Practice for Computing International Roughness Index of Roads from Longitudinal Profile Measurements	ASTM E1926
	Standard Test Method for Penetration of Bituminous Materials	ASTM D5
	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	ASTM D36
	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors	ASTM D2995
	Standard Test Method for Prediction of Asphalt-Bound Pavement Layer Temperatures	ASTM D7228
	Standard Test Method for Flash and Fire Points of Asphalt by Cleveland Open Cup Tester	ASTM D8254
	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer	ASTM D4402

		Standard Test Method for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer	ASTM D 7175
		Standard Test Method for Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)	ASTM D 2872
		Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	ASTM D 92
		Standard Specification for Penetration-Graded Asphalt Cement for Use in Pavement Construction	ASTM D 946
		Standard Test Method for Kinematic Viscosity of Asphalts (Bitumen's)	ASTM D2170
		(Test Method for Coating and Stripping of Bitumen-Aggregate Mixtures)	ASTM D1664 & AASHTO T182
		(Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage)	AASHTO T283
		Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)	ASTM D445
		Standard Test Method for Distillation of Cutback Asphaltic (Bituminous) Products	ASTM D402
		Standard Test Method for Density of Semi-Solid Asphalt Binder (Pycnometer Method)	ASTM D70
		Standard Test Method for Solubility of Asphalt Materials in Trichloroethylene or Toluene	ASTM D2042
Geotechnical Soil Investigation	Construction (Civil) Material Testing	Standard Practice for Soil Exploration and Sampling by Auger Borings	ASTM D1452

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	Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils	ASTM D1586
	Standard Practice for Thin-Walled Tube Sampling of Fine-Grained Soils for Geotechnical Purpose	ASTM D1587
	Standard Practice for Rock Core Drilling and Sampling of Rock for Site Exploration	ASTM D2113
	Standard Test Method for Unconfined Compressive Strength of Cohesive Soil	ASTM D2166
	Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)	ASTM D2488
	Standard Test Method for Unconfined Compressive Strength of Intact Rock Core Specimens	ASTM D2938
	Standard Practices for Preserving and Transporting Soil Samples	ASTM D4220
	Standard Test Method for High-Strain Dynamic Testing of Deep Foundations	ASTM D4945
	Standard Practices for Preserving and Transporting Rock Core Samples	ASTM D5079
	Standard Guide for Field Logging of Subsurface Explorations of Soil and Rock	ASTM D5434
	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications	ASTM D5731

		Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations	ASTM D5882
		Standard Guide for Conducting Borehole Geophysical Logging: Mechanical Caliper	ASTM D6167
		Standard Test Method for Integrity Testing of Concrete Deep Foundations by Ultrasonic Crosshole Testing	ASTM D6760
		Methods of test for soils for civil engineering purposes. Chemical and electro chemical tests	BS 1377-3
		Geotechnical investigation and testing. Identification and classification of rock. - Identification and description	BS EN ISO 14689-1
Coating/Painting Inspections	Construction (Civil) Material Testing	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers	ASTM D4541
		Standard Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Coating Thickness Gage	ASTM D6132
		Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals	ASTM D7091
Steel Testing	Construction (Civil) Material Testing	Standard Test Methods and Definitions for Mechanical Testing of Steel Products (Section 15, Bend)	ASTM A370

		(Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement)	ASTM A615
		Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry	ASTM E415
Chemical Testing	Construction (Civil) Material Testing	Standard Test Methods for pH of Water	ASTM D1293
		Standard Test Methods for Filterable Matter (Total Dissolved Solids) and Nonfilterable Matter (Total Suspended Solids) in Water	ASTM D5907
		Method of statement for bacteriological analysis and disinfection	ATECO-MS-10
		Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes	ASTM D 3282
		Standard Test Methods for Chemical Analysis of Hydraulic Cement	ASTM C114
		Standard Specification for Portland Cement	ASTM C150
		Standard Specification for Chemical Admixtures for Concrete	ASTM C494
		Standard Test Methods for Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete	ASTM C311
		Standard Test Method for Potential Alkali-Silica Reactivity of Aggregates	ASTM C289
		Standard Test Methods for Chloride Ion in Water	ASTM D512
		Standard Test Method for Sulfate Ion in Water	ASTM D516





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		Standard Test Method for Isolation and Enumeration of Escherichia Coli in Water by the Two-Step Membrane Filter Procedure	ASTM D5392
		Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete	ASTM C1602
		Standard Test Methods for Acidity or Alkalinity of Water	ASTM D1067
		Standard Test Method for Hardness in Water	ASTM D1126
		Standard Test Method for Turbidity of Water	ASTM D1889
		Standard Test Methods for Calcium and Magnesium In Water	ASTM D511
		Standard Test Methods for Zinc in Water	ASTM D1691

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