



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## MODERN TECHNOLOGY LABORATORIES

HARAMAIN ROAD, KILO 45  
JEDDAH 21412, KINGDOM OF SAUDI ARABIA

**Testing Laboratory TL-576**

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 January 10, 2024



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

**President**

Visit [www.iasonline.org](http://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](http://www.iasonline.org)

## MODERN TECHNOLOGY LABORATORIES

[www.mtl-ksa.com](http://www.mtl-ksa.com)

**Contact Name** Ahmed Barasin

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*Accredited to ISO/IEC 17025:2017*

*Effective Date January 10, 2024*

CMT	
ACI 207	Guide to mass concrete
ASTM C31/C31M-12	Standard practice for making and curing concrete test specimens in the field
ASTM C97	Standard Test Method for absorption and bulk Specific Gravity of Dimension Stone
ASTM C109/C109M	Standard test method for compressive strength of hydraulic cement mortars (using 2-in. or [50-mm] cube specimens)
ASTM C114	Standard test methods for chemical analysis of hydraulic cement (clauses 5.2, 5.2.1, 5.4)
ASTM C117	Standard test method for materials finer than 75- $\mu$ 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/C131M	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 C138/C138M	Standard test method for density (unit weight), yield, and air content (gravimetric) of concrete
ASTM C140	Standard Test Method for Sampling and Testing Concrete Masonry Units and Related Units
ASTM C143/C143M-12	Standard test method for slump of hydraulic-cement concrete
ASTM C151/C151M	Standard test method for autoclave expansion of hydraulic cement
ASTM C170	Standard Test Method for Compressive Strength of Dimension Stone
ASTM C191	Standard test methods for time of setting of hydraulic cement by vicat needle
ASTM C204	Standard test methods for fineness of hydraulic cement by air-permeability apparatus
ASTM C231/C231M	Standard test method for air content of freshly mixed concrete by the pressure method

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ASTM C403/C403M-08	Standard test method for time of setting of concrete mixtures by penetration resistance
ASTM C469/C469M	Standard test method for static modulus of elasticity and Poisson's ratio of concrete in compression
ASTM C604	Standard Test Method for True Specific Gravity of Refractory Materials by Gas - Comparison Pycnometer
ASTM C880/C880M	Standard Test Method for Flexural Strength of Dimension Stone
ASTM C947	Standard Test Method for Flexural Properties of Thin-Section Glass Fiber-Reinforced Concrete (Using Simple Beam with Third-Point Loading)
ASTM C1064/C1064M	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1610/C1610M	Standard test method for static segregation of self-consolidating concrete using column technique
ASTM C1611/C1611M	Standard test method for slump flow of self-consolidating concrete
ASTM C1621/C1621M	Standard test method for passing ability of self-consolidating concrete by j-ring
ASTM D1556/D1556M	Standard test method for density and unit weight of soil in place by sand-cone method
ASTM D1557	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 D1993-03(2013)	Standard test method for precipitated silica-surface area by multipoint BET nitrogen adsorption
ASTM D5550	Standard test method for specific gravity of soil solids by gas pycnometer
ASTM D7348	Standard Test Method for Loss on Ignition (LOI) of Solid Combustion
BS 1881-116	Method for Determination of Compressive Strength of Concrete Cubes
BS 1881-122	Testing concrete - method for determination of water absorption
<b>Structural</b>	
ASTM A90	Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings
ASTM A370	Standard test methods and definitions for mechanical testing of steel products
ASTM A1061/A1061M-09	Standard test methods for testing multi-wire steel prestressing strand
ASTM E8	Standard Test Methods for Tension Testing of Metallic Materials
ASTM E415	Standard test method for analysis of carbon and low-alloy steel by spark atomic emission spectrometry
ASTM E1086	Standard test method for analysis of austenitic stainless steel by spark atomic emission spectrometry
ASTM E1251	Standard Test Method for Analysis of Aluminum and Aluminum Alloys by Spark Atomic Emission Spectrometry

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ASTM F606	Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets
BS EN 573-3	Aluminum and Aluminum Alloys - Chemical Composition and Form of Wrought Products - Part 3: Chemical Composition and Form of Products
BS EN 10025	Hot rolled products of structural steels-Part 2: Technical delivery conditions for non-alloy structural steels
BS EN 15079	Copper and Copper Alloys - Analysis by Spark Optical Emission Spectrometry (S-OES)