



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

UNIVERSAL LABORATORIES (BAHRAIN) W.L.L.

P.O. BOX 728, GATE NO. 1006, VILLA: 2
MANAMA, KINGDOM OF BAHRAIN

Testing Laboratory TL-614

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 November 2, 2023



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

President

Visit 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

UNIVERSAL LABORATORIES (BAHRAIN) W.L.L.

www.universallab.co

Contact Name Eldho P Mathew

Contact Phone +973-177-20117 ext 102

Accredited to ISO/IEC 17025:2017

Effective Date November 2, 2023

Chemical Testing Water	
APHA 2510 B	Electrical Conductivity
APHA 2320 B	Alkalinity
APHA 2320 B	Carbonate and Bicarbonate
APHA 2540 C	Total Dissolved Solids
APHA 2540 D	Total Suspended Solids
APHA 3120 B	Metals by Inductively Coupled Plasma Emission Spectroscopy (Al, As, Ba, B, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Ag, Na, K, Zn, Ca, Mg, P)
APHA 3500 Ca	Calcium
APHA 3500 Mg B	Magnesium
APHA 4500 Cl B	Chlorides
APHA 4500 Cl G	Chlorine (Free & Total)
APHA 4500 H+	pH
APHA 4500 SO ₄ ²⁻ E	Sulphates
HACH 8029	Fluoride
HACH 8153	Nitrite
HACH 8171	Nitrate
Microbiological Testing Water and Food	
APHA 9215 B	Heterotrophic plate count (HPC)
BAM Chapter 3	Aerobic Plate Count
BAM Chapter 4-1	Conventional Method for coliforms, Faecal coliforms and <i>E.coli</i>
BAM Chapter 5	<i>Salmonella sp.</i>
BAM Chapter 10	Detection of <i>Listeria monocytogenes</i>
BAM- Chapter 12	<i>Staphylococcus aureus</i>
BAM Chapter 14	<i>Bacillus cereus</i>
BS EN ISO 7899:2000 and BS 6068 - 4.4:2000	Water Quality Detection and Enumeration of Intestinal <i>Enterococci</i>

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BS EN ISO 9308-1:2014	Water Quality-Detection and Enumeration of <i>Escherichia coli</i> and Coliform Bacteria
BS EN ISO 16266:2008	<i>Pseudomonas aeruginosa</i>
BS EN ISO 11731-2:2008	Detection of <i>Legionella spp</i>
CCFRA 2.1.1:2007	Enumeration of Yeasts and Moulds
CCFRA 2.3.1:2007	<i>Enterobacteriaceae</i>
CCFRA 3.6.1:2007	Enumeration of <i>Clostridium perfringens</i>
Metallurgy	
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products (Impact, Sections 20 to 30).
ASTM D638	Test Method for Tensile Properties of Plastics
ASTM E23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials
ASTM E290	Bend Test Of Materials For Ductility
ASTM E340	Macro Test
BS 4449/BS EN ISO 15630	Tensile, Bend & Rebend Test Of Rebars
BS EN ISO 6892-1	Tensile Test Of Couplers
BS EN ISO 6892-1	Tensile Test Of Tie Rods
BS EN ISO 6892-1	Tensile Test As Welded Steel Bar
BS EN 10025/BS EN ISO 6892-1	Hot Rolled Products Of Structural Steel
NDT	
UNIVERSAL SOP UL-NDT-03	Magnetic Particle Inspection
UNIVERSAL SOP UL-NDT-04	Liquid Penetrant Testing (LPT)
Soil	
ASTM D1556	In-Place Density Test By Sand Cone Method
BS 1377 PART 2	Bulk Density & Dry Density
BS 1377 PART 2	Particle Size Distribution / Sieve Analysis
BS 1377 PART 2	Plastic Limit & Plasticity Index
BS 1377 PART 2/ASTM D2216	Moisture Content
BS 1377 PART 2/ASTM D4318	Liquid Limit
BS 1377 PART 4	Dry Density – Moisture Content Relationship (Mdd – Omc)
BS 1377 PART 4	Maximum & Minimum Density

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Aggregate	
ASTM C127	Density Of Coarse Aggregates
ASTM C127	Specific Gravity & Water Absorption Of Coarse Aggregates
ASTM C136/C136M-14	Sieve Analysis Of Fine & Coarse Aggregates
BS EN 933-1	Particle Size Distribution (Wet/Dry Sieving)
Fresh Concrete Test	
ASTM C232	Bleeding Of Fresh Concrete
BS EN 12350-1	Method Of Sampling Fresh Concrete
BS EN 12350-2	Slump Test In Fresh Concrete
BS EN 12350-7	Air Content In Fresh Concrete
Hardened Concrete	
ASTM C39/C39M-18	Compressive Strength Of Concrete Cylinders
BS 1881-122:2011	Water Absorption Of Hardened Concrete
BS EN 772-1	Compressive Strength Of AAC Blocks
BS EN 772-11	Water Absorption Of Autoclaved Aerated Concrete Masonry Units
BS EN 772-13	Dry Density Of Masonry Units
BS EN 1338/ BS EN 772-16	Dimension Of Pre-Cast Concrete Paving Blocks
BS EN 12390-2	Making and curing specimens for strength tests
BS EN 12390-3	Compressive Strength Of Concrete Cubes
BS EN 12390-7	Density Of Concrete Cubes
BS EN 12390-8	Depth Penetration Of Water Under Pressure (Impermeability)
BS EN 12504-1	Compressive Strength Concrete Cores
BS EN 12504-2	Compressive Strength Of Concrete (Using Rebound Hammer)