



CERTIFICATE OF ACCREDITATION

This is to attest that

GULF TESTING SOLUTIONS ENTERPRISE LLC

AL ATHAIBA, BLDG.NO.:769, WAY 6454, 264 – GHALA HEIGHTS
MUSCAT, 130, SULTANATE OF OMAN

Testing Laboratory TL-918

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 August 19, 2022



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

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

GULF TESTING SOLUTIONS ENTERPRISE LLC

Contact Name Asanka Shehan

Contact Phone +968-91362533

Accredited to ISO/IEC 17025:2017

Effective Date August 19, 2022

Mechanical/Physical	
ASTM D2172	Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures
ASTM D2726	Bulk Density of Compacted Mix
ASTM D4318	Standard Test method for Liquid Limit, Plastic Limit and Plasticity Index (Cassagrande)
ASTM D5731	Point Load Index
ASTM D6926	Standard Practice for Preparation of Asphalt Mixture Specimens Using Marshall Apparatus
ASTM D6927 & D6926	ASTM D6927 - 15 Standard Test Method for Marshall Stability and Flow of Asphalt Mixtures
ASTM D6927 & D6926	Loss of Stability
ASTM D7012	Unconfined Compressive Strength
BS 812 Part 103.1 Cl 7.3	Testing Aggregates. Method for determination of Particle Size distribution. Sieve tests(dry)
BS 812 Part 110	Testing Aggregates. Method for determination of Aggregate Crushing Value (ACV)
BS 812 Part 112	Testing Aggregates. Method for determination of Aggregate Impact Value (AIV)
BS 1377 Part 2 Cl 4.3 & 4.4	Methods of test for soils for civil engineering purposes. Classification tests. (Determination of Liquid Limit (cone penetrometer)
BS 1377 Part 2 Cl 4.5	Methods of test for soils for civil engineering purposes. Classification tests. (Determination of Liquid Limit (Cassagrande)
BS 1377 Part 2 Cl 5.3 & 5.4	Methods of test for soils for civil engineering purposes. Classification tests. (Determination of Plastic Limit and Plasticity Index
BS 1377 Part 2 Cl 9.3	Methods of test for soils for civil engineering purposes. Classification tests. (Determination of Particle Size Distribution (dry))

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BS 1377 Part 9 CI 2.2	Methods of test for soils for civil engineering purposes. In Situ Tests (Sand replacement method suitable for fine, medium and coarse grained soils (Large pouring cylinder)
BS 1377 Part 9 CI 4.1	Determination of Vertical Deformation of strength Characteristics of Soil by Plate Loading test
BS 1881 Part 122	Testing Concrete. Method of Determination of Water absorption
BS 1881 Part 208	Testing Concrete. Recommendations for the determination of the Initial Surface Absorption of concrete
BS EN 196 Part 1	Methods of testing cement. Determination of strength
BS EN 196 Part 3	Methods of testing cement. Determination of soundness
BS EN 196 Part 3	Methods of testing cement. Determination of initial and final setting times
BS EN 196 Part 6	Methods of testing cement. Determination of fineness
BS EN 1097 Part 2	Tests for mechanical and physical properties of Aggregates. Method for determination of resistance to fragmentation. (Los Angeles Abrasion value)
BS EN 12390 Part 1	Testing hardened Concrete – Shape, dimensions and other requirements for specimens and moulds
BS EN 12390 Part 2	Testing Concrete – Method of curing of test specimen at 20°C
BS EN 12390 Part 7	Testing hardened Concrete – Method for determination of density of Hardened Concrete (volume by calculation)
BS EN 12390 Part 8	Testing Hardened Concrete. Depth of Penetration of Water under pressure
DIN 1048 Part 5	Testing Hardened Concrete. Water Permeability
Chemical	
ASTM C1202	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration (RCPT)
BS 1377 Part 3 CI 7.6 & 7.8	Methods of test for soils for civil engineering purposes. Chemical and Electrochemical tests-Determination of Sulphate content of ground water
BS 1377 Part 3 CI 7.9 & 7.6	Methods of test for soils for civil engineering purposes. Chemical and Electrochemical tests-Determination of Acid soluble Sulphate content of Soil
BS 1377 Part 3 CI 9	Methods of test for soils for civil engineering purposes. Chemical and Electrochemical tests-Determination of Chloride content of ground water
BS 1377 Part 3 CI 9.3	Methods of test for soils for civil engineering purposes. Chemical and Electrochemical tests-Determination of Acid soluble Chloride content of Soil
BS 1377 Part 3 CI 12	Methods of test for soils for civil engineering purposes. Chemical and Electrochemical Tests-Determination of pH value of Soil

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Microbiology	
APHA 9222B	Total Coliforms in Potable water
APHA 9222D	Fecal Coliforms in potable water and waste water
APHA 9222D	Fecal Coliforms in waste water
USFDA BAM Chapter 4	Enumeration of Escherichia coli and the Coliform Bacteria- Dairy and Dairy products
USFDA BAM Chapter 4	Enumeration of Escherichia coli and the Coliform Bacteria- Fish and Fish products
Sampling	
APHA 9060A	Water samples for microbiology testing