



CERTIFICATE OF ACCREDITATION

This is to attest that

GULF INNOVATIONS FOR CONSULTING & TECHNICAL SERVICES, W.L.L.

MEMBER OF GCCLAB
ROAD 403

AL QARYAH - SITRA, 604, KINGDOM OF BAHRAIN

Testing Laboratory TL-1193

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 December 19, 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

GULF INNOVATIONS FOR CONSULTING & TECHNICAL SERVICES, W.L.L.

<https://gcclab.com.sa/service/analytical-laboratory>

Contact Name Dr. Ramsey Jadim

Contact Phone +973-39904144

Accredited to ISO/IEC 17025:2017

Effective Date December 19, 2023

Electrical	
ASTM D924	Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric constant) of Electrical Insulating Liquids
ASTM D971	Standard Test Method for Interfacial Tension of Insulating Liquids Against Water by the Ring Method
ASTM D974	Standard Test Method for Acid and Base Number by Colour Indicator Titration
ASTM D1500	Standard Test Method for ASTM Colour of Petroleum Products (ASTM Colour Scale)
ASTM D1816	Standard Test method for Dielectric Breakdown Voltage of Insulating Liquid using VDE Electrodes
ASTM D3612	Standard Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography Inclusion - Headspace Sampling only
IEC 60156	Insulating liquids - Determination of the Breakdown Voltage at power frequency.
IEC 60247	Insulating Liquids – Measurement of Relative Permittivity, Dielectric Dissipation Factor (tan delta) and d.c. Resistivity
IEC 60475	Method of Sampling Insulating Liquids Inclusion – Oil Filled Electrical Equipment
IEC 60567	Oil Filled Electrical Equipment- Sampling of gases and analysis of Free and Dissolved Gases – Guidance. - Inclusion Headspace Method Only
IEC 60814	Insulating Liquids - Oil-Impregnated Paper and Pressboard - Determination of Water by Automatic Coulometric Karl Fischer Titration Inclusion - Clause 2 only