



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **GULF LABORATORY TECHNICAL SERVICES COMPANY**

MEMBER OF GCC LAB, KING ABDULAZIZ ROAD, AL KHALIDIYYAH, PORT GATE BUILDING  
DAMMAM, 32221, SAUDI ARABIA

### **Testing Laboratory TL-1223**

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 April 5, 2024



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

## GULF LABORATORY TECHNICAL SERVICES COMPANY

[www.https://gcclab.com.sa](https://gcclab.com.sa)

**Contact Name** Dr. Ramsey Jadim

**Contact Phone** +966-538989986

*Accredited to ISO/IEC 17025:2017*

*Effective Date April 5, 2024*

Chemical	
ASTM D664	Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration (Equipment - Automatic Titrator)
ASTM D974	Standard Test Method for Acid and Base Number by Colour Indicator Titration (Equipment - Pipette Titration -Manual)
ASTM D1500	Standard Test Method for ASTM Colour of Petroleum Products (ASTM Colour Scale) (Equipment - Colorimeter)
ASTM D1533	Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration (Equipment - Karl Fisher Titrator)
ASTM D3612	Standard Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography (Exclusion – Method A and Method B) (Equipment - Gas Chromatograph -GC)
ASTM D4059	Standard Test Method for Analysis of Polychlorinated Biphenyls in insulating oil by Gas Chromatography (Equipment - Gas Chromatograph -GC)
ASTM D4768	Detection and determination of specified additive in mineral insulating oil (Equipment - HPLC)
ASTM D7042	Standard test Method for Dynamic viscosity and density of liquids by Stabinger viscometer (and the calculation of Kinematic Viscosity) (Equipment - Viscometer)
IEC 60567	Standard Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography (Equipment - Gas Chromatograph -GC)
IEC 60666	Detection and determination of specified additive in mineral insulating oil (Equipment - HPLC)
IEC 60814	Insulating Liquids - Oil-Impregnated Paper and Pressboard - Determination of Water by Automatic Coulometric Karl Fischer Titration (Equipment - Karl Fisher Titrator)
IEC 61198	Mineral Insulating Oil - Determination of 2-Furfural and Related Compounds (Equipment - HPLC)

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IEC 62021-1	Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration (Equipment - Automatic Titrator)
IEC 62697-1	Test Method for quantitative determination of corrosive sulfur compounds in unused and used insulating liquid, Part – 1 Test method for quantitative determination of dibenzyl disulfide (DBDS) (Equipment - Gas Chromatograph -GC)
<b>Electrical</b>	
ASTM D924	Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric constant) of Electrical Insulating Liquids (Equipment - Oil Tan Delta Tester)
ASTM D1816	Standard Test method for Dielectric Breakdown Voltage of Insulating Liquid using VDE Electrodes (Equipment - BDV tester)
ASTM D971	Standard Test Method for Interfacial Tension of Insulating Liquids Against Water by the Ring Method (Equipment - IFT Tester)
IEC 60156	Insulating liquids - Determination of the Breakdown Voltage at power frequency. (Equipment - BDV tester)
IEC 60247	Insulating Liquids – Measurement of Relative Permittivity, Dielectric Dissipation Factor (tan delta) and d.c. Resistivity (Equipment - Oil Tan Delta Tester)
IEC 62961	Standard Test Method for Interfacial Tension of Insulating Liquids Against Water by the Ring Method (Equipment - IFT Tester)
<b>Sampling</b>	
ASTM D923	Method of Sampling Insulating Liquids Inclusion – Oil Filled Electrical Equipment
IEC 60475	Method of Sampling Insulating Liquids Inclusion – Oil Filled Electrical Equipment