



CERTIFICATE OF ACCREDITATION

This is to attest that

**MINISTRY OF ELECTRICITY, WATER AND RENEWABLE ENERGY,
PRIMARY SUBSTATION MAINTENANCE DEPARTMENT
TRANSFORMER OIL ANALYSIS LABORATORY, KUWAIT**

P.O. BOX 12 SAFAT
13001, KUWAIT

Testing Laboratory TL-1202

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 March 5, 2024



A handwritten signature in black ink that reads '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

MINISTRY OF ELECTRICITY, WATER AND RENEWABLE ENERGY, PRIMARY SUBSTATION MAINTENANCE DEPARTMENT TRANSFORMER OIL ANALYSIS LABORATORY, KUWAIT

Contact Name Mr. Abdulaziz Saud Al Otaibi

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Accredited to ISO/IEC 17025:2017

Effective Date March 5, 2024

ASTM D971	Standard Test Method for Interfacial Tension of Oil against Water by Du Nouy Ring Method
ASTM D1533	Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration
ASTM D3612	Analysis of Gases Dissolved In Insulating Oil By Gas Chromatography
ASTM D7042	Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer
IEC 60156	Insulating Liquid-Determination of Breakdown Voltage at Power Frequency
IEC 60247	Insulating Liquid-Measurement of Relative Permittivity, Dielectric Dissipation Factor
IEC 60567	Oil Filled Electrical Equipment-Sampling of Gases and Oil for Analysis of Free Dissolved Gases
IEC-60666	Detection and determination of specified additives in mineral insulating oils (Method - A)
IEC-60814	Insulating Liquid-Determination of Water by Automatic Coulometric Karl Fischer Titration
IEC 61198	Mineral Insulating Oil-Determination of 2 Furfural and Related Compounds
IEC 62021-1	Determination of Acidity.Part-1: Automatic Potentiometric Titration

TL-1202

Ministry of Electricity, Water and Renewable Energy,

Primary Substation Maintenance Department Transformer Oil Analysis Laboratory, Kuwait

