



ACCREDITATION CERTIFICATE

LB-TEST-157

Emirates International Accreditation Centre

has accredited

DUBAI ELECTRICITY AND WATER AUTHORITY PJSC

DEWA Central Laboratory

Jabel Ali Power Station Complex, Dubai- United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 30/06/2022 to 30/05/2023

Initial Accreditation Date: 01/06/2017




CHIEF EXECUTIVE OFFICER
APPROVAL



Accreditation Scope

Environmental Testing

LB-TEST-157

Dubai Electricity and Water Authority PJSC

DEWA Central Laboratory

Jabel Ali Power Station Complex

Dubai, United Arab Emirates

Issue no.: 05

Date: 30-06-2022

Valid to: 30-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Testing	Potable water	pH	APHA 4500 H+B
Chemical Testing	Potable water	Conductivity	APHA 2510 B
Chemical Testing	Potable water	Total dissolved solids (TDS)	APHA 2510 B (Calculation)
Chemical Testing	Potable water	Turbidity	APHA 2130 B
Chemical Testing	Potable water	Anions Br (≥ 0.05 mg/l) Cl (≥ 5 mg/l) SO ₄ (≥ 1 mg/l) F (≥ 0.05 mg/l) NO ₃ (≥ 0.05 mg/l)	APHA 4110 B
Chemical Testing	Potable water	Cations Ca (≥ 2 mg/l) Mg (≥ 0.5 mg/l) Na (≥ 5 mg/l) K (≥ 0.25 mg/l)	ASTM D6919
Chemical Testing	Potable water	Calcium Hardness & Total Hardness	ASTM D6919 (Calculation)

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Testing	Potable water	Alkalinity as CaCO_3	APHA 2320B
Chemical Testing	Potable water	Determination of Metals by ICP MS Chromium, Nickel, Manganese, Aluminium, Lead, Cadmium, Copper, Zinc, Iron & Boron concentrations in water (Indium/Yttrium as internal standard)	APHA 3125 B

Accreditation History		
Issue no.	Details	Date
05	Reissued due to a change in the laboratory's name (was formerly known as Dubai Electricity and Water Authority)	30-06-2022
04	Renewal accreditation from EIAC	22-11-2020
03	Extension in scope and first issuance under the name of EIAC (which was formerly known as DAC)	25/12/2019
02	Extension in scope	14-08-2018
01	Grant accreditation from Dubai Accreditation Center 'DAC'	01-06-2017

Accreditation Scope

Petroleum Petrochemical Testing

LB-TEST-157

Dubai Electricity and Water Authority PJSC

DEWA Central Laboratory

Jabel Ali Power Station Complex

Dubai, United Arab Emirates

Issue no.: 05

Date: 30-06-2022

Valid to: 30-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum & Petrochemical	Turbine oil (in-service), Hydraulic oil (in-service), Transformer oil (in-service) Diesel fuel	Kinematic viscosity (40 °C , 100 °C)	ASTM D445
Petroleum & Petrochemical	Turbine Oil (in-service), Hydraulic oil (in-service)	Standard Practice for Calculating Viscosity Index from Kinematic Viscosity at 40°C and 100°C Viscosity Index	ASTM D2770 Calculation
Petroleum & Petrochemical	Turbine oil (in-service), Hydraulic oil (in-service), Transformer oil (in-service) Diesel fuel	Acid Number Method A	ASTM D664

Accreditation Scope

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum & Petrochemical	Turbine oil (in-service), Hydraulic oil (in-service), Transformer oil (in-service)	Water Lubricating Oils by Coulometric Karl Fischer Titration	ASTM 6304
Petroleum & Petrochemical	Turbine oil (in-service), Hydraulic oil (in-service), Transformer oil (in-service) Diesel Fuel	Kinematic viscosity (40 °C, 100 °C) using Anton Parr Stabinger Automatic Viscometer SVM 3001.	ASTM D7042
Petroleum & Petrochemical	Turbine oil (in-service), Hydraulic oil (in-service), Transformer oil (in- service) Diesel fuel	Determination of Flash point	ASTM D93

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Petroleum Petrochemical Testing

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Products Testing	Turbine oil (in-service), Hydraulic oil (in-service), Transformer oil (in- service) Diesel fuel	Determination of Color	ASTM D1500

Accreditation History		
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