

CERTIFICATE OF ACCREDITATION

This is to attest that

INSPECTORATE INTERNATIONAL SAUDI ARABIA LIMITED – BUREAU VERITAS

BUILDING NUMBER 309B, YANBU HAII A MEHAN, NAHWAND STREET, KING FAISAL ROAD, ROYAL COMMISSION, YANBU, 37500, SAUDI ARABIA

Testing Laboratory TL-1074

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 22, 2024



International Accreditation Service Issued under the authority of IAS management

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

INSPECTORATE INTERNATIONAL SAUDI ARABIA LIMITED – BUREAU VERITAS

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Contact Name Kashif Taj

Contact Phone +966 562293619

Accredited to ISO/IEC 17025:2017

Effective Date August 22, 2024

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Petroleum – Chemistry	Petroleum and Petroleum Products	Petroleum Distillation	ASTM D86-23a Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure
		Flash Point	ASTM D93-20 Standard Test Methods for Flash Point by Pensky-Mar- tens Closed Cup Tester
		Water	ASTM D95-23 Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation
		Pour Point	ASTM D97-17b (2022) Standard Test Method for Pour Point of Petroleum Products
		Copper Corrosiveness	ASTM D130-19 Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test
		Kinematic Viscosity Dynamic viscosity (by calculation)	ASTM D445-23 Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)
		Ash	ASTM D482-19 Standard Test Method for Ash from Petroleum Products
		Acid Number	ASTM D664-18e2

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Petroleum – Chemistry continued			Standard Test Method for Acid Number of Petroleum Products by Potentiometric Ti- tration
		Distillation Range of Monoethylene Glycol (MEG	ASTM D1078-11 (Reap- proved 2019) Standard Test Method for Dis- tillation Range of Volatile Or- ganic Liquids
		Color	ASTM D1209-05(2019) Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)
		ASTM Color	ASTM D1500-12(2017) Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)
		Acidity as Acetic Acid of Monoethylene Glycol (MEG)	ASTM D1613-17 (Reap- proved 2023) Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lac- quer, and Related Products
		Water Miscibility of Monoethylene Glycol (MEG)	ASTM D1722-09 (Reap- proved 2023) Standard Test Method for Water Miscibility of Water-Sol- uble Solvents
		Lead	ASTM D3237-22 Standard Test Method for Lead in Gasoline by Atomic Absorption Spectroscopy
		Manganese	ASTM D3831-22 Standard Test Method for Manganese in Gasoline by Atomic Absorption Spectroscopy
		Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052-22 Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter
		Sulfur	ASTM D4294-21 Standard Test Method for Sulfur in Petroleum and

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Petroleum – Chemistry continued	Petroleum and Petroleum Products continued		Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry
		Micro Carbon Residue	ASTM D4530-15(2020) Standard Test Method for Determination of Carbon Residue (Micro Method)
		Cold Filter Plugging Point	ASTM D6371-17a Standard Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels
		Dynamic Viscosity of Used Lubricant Oil at 40 and 100°C	ASTM D7042-21a Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity)
		Viscosity Index	ASTM D7042-21a Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity)
		Iron in Monoethylene Glycol (MEG)	ASTM E202-18 Standard Test Methods for Analysis of Ethylene Glycols and Propylene Glycols
		Water in Monoethylene Glycol (MEG)	ASTM E1064-24 Standard Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration
		UV Transmittance in Monoethylene Glycol (MEG)	ASTM E2193-23 Standard Test Method for Ultraviolet Transmittance of Monoethylene Glycol (using Ultraviolet Spectrophotometry)
		Aldehydes as Acetaldehyde in Monoethylene Glycol (MEG)	ASTM E2313-22 Standard Test Method for Aldehydes in Mono-, Di-, and Triethylene Glycol (using Spectrophotometry)
		Glycol impurities in Monoethylene Glycol (MEG)	ASTM E2409-20a Glycol Impurities in Mono-, Di-,Tri- and Tetraethylene Glycol



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Petroleum – Chemistry continued			and in Mono- and Dipropylene Glycol (Gas Chromatographic Method)
		Appearance of Monoethylene Glycol (MEG)	ASTM E2680-23 Standard Test Method for Appearance of Clear, Transparent Liquids (Visual Inspection Procedure)

