



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

**QAFAC QATAR FUEL ADDITIVES CO. LTD**

P.O. BOX 22700, MIC  
DOHA, STATE OF QATAR

**Testing Laboratory TL-1181**

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 July 13, 2023



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)

## QAFAC QATAR FUEL ADDITIVES CO. LTD

[www.qafac.com.qa](http://www.qafac.com.qa)

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**Contact Phone** +974-33394442

*Accredited to ISO/IEC 17025:2017*

*Effective Date July 13, 2023*

<b>Water and Wastewater</b>	
APHA, AWWA, WEF, 23 <sup>rd</sup> Ed. Method 2540 D	Total Suspended Solids in wastewater
APHA, AWWA, WEF, 23 <sup>rd</sup> Ed. Method 4500-O G	Dissolved Oxygen by Membrane-Electrode Method
APHA, AWWA, WEF, 23 <sup>rd</sup> Ed. Method 4500-S2-D	Sulfide by Methylene Blue Method
ASTM D1252-06 (Reapproved 2020)	Standard Test Methods for Chemical Oxygen Demand (Dichromate Oxygen Demand) of Water
ASTM D1293-18	Standard Test Methods for Standard Test Methods for pH of Water
ASTM D1976-20	Standard Test Method for Elements (Calcium, Magnesium, Sodium & Chromium) in Water by Inductively-Coupled Plasma Atomic Emission Spectroscopy
ASTM D7678-17 (2022)	Standard Test Method for Total Oil and Grease and Total Petroleum Hydrocarbons (TPH) in Water and Wastewater with Solvent Extraction using Mid-IR Laser Spectroscopy
In-house method: QR-PRO-LAB-0015 based on APHA 4500-CI G and USEPA DPD Method 8021	Test Method for determination of free and residual chlorine
<b>Methanol and MTBE</b>	
ASTM D1209-05 (Reapproved 2019)	Standard Test Method for Color of Clear Liquids (Methanol and MTBE) (Platinum-Cobalt Scale).
ASTM D1613-17	Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates (Methanol) Used in Paint, Varnish, Lacquer, and Related Products
ASTM D4052-22	Standard Test Method for Density, Relative Density, and API Gravity of Liquids (Methanol and MTBE) by Digital Density Meter
ASTM E394-22	Standard Test Method for Standard Test

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	Method for Iron in Trace Quantities in Methanol Using the 1,10 Phenanthroline Method
ASTM E1064-16	Standard Test Method for Water in Organic Liquids (Methanol and MTBE) by Coulometric Karl Fischer Titration
<b>Fuel Gases</b>	
ASTM D1945-14 (Reapproved 2019)	Standard Test Method for Analysis of Natural Gas (Methane, Ethane, Propane, Butanes, Pentanes, Carbon Dioxide & Nitrogen) by Gas Chromatography
ASTM D1946-90 (Reapproved 2019)	Standard Practice for Analysis of Reformed Gas (Methane, Hydrogen, Carbon Dioxide, Carbon Monoxide & Nitrogen) by Gas Chromatography
UOP Method 539-12	Standard Test for determining the Composition (Ethylene, Propylene & DME-Dimethyl Ether) of refinery gas streams or vaporized liquefied petroleum gas (LPG) using a preconfigured, commercially available gas chromatograph