



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

**QATARENERGY LNG**

HALLUL AVENUE  
RASLAFFAN INDUSTRIAL CITY, 22666, QATAR

**Testing Laboratory TL-955**

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 February 28, 2025



*International Accreditation Service*

Issued under the authority of IAS management

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

## QATARENERGY LNG

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*Accredited to ISO/IEC 17025:2017*

*Effective Date February 28, 2025*

### A) SOUTH LABORATORY

<b>Irrigation Water</b>	
EPA 410.4	The Determination of Chemical Oxygen Demand (COD) by Semi-Automated Colorimetry
HACH 8021	Chlorine, Free, Low Range - USEPA DPD Method
EPA 120.1	Conductance (Specific Conductance, $\mu$ mhos at 25°C) by Conductivity Meter
EPA 150.1	pH (Electrometric) at 25°C
<b>Potable Water</b>	
EPA 310.1	Alkalinity as CaCO <sub>3</sub> (Titrimetric, pH 4.5)
EPA 130.2	Hardness, Total (mg/L as CaCO <sub>3</sub> ) (Titrimetric, EDTA)
EPA 300	Determination of Inorganic Anions by Ion Chromatography - Sulfate (SO <sub>4</sub> )
EPA 300	Determination of Inorganic Anions by Ion Chromatography - Chloride (Cl)
<b>LNG</b>	
GPA 2261	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography- Natural Gas [Rich] Analysis by Gas Chromatography
GPA 2261	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography - Natural Gas [Lean] Analysis by Gas Chromatography
<b>Fuel Gas</b>	
GPA 2261	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography - Fuel Gas Streams Analysis by Gas Chromatography

### B) NORTH LABORATORY

<b>Liquefied Natural Gas (LNG) for custody transfer</b>
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GPA 2261	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography - Determination of gas composition (N <sub>2</sub> , C <sub>1</sub> -C <sub>5</sub> ) by Gas Chromatography
<b>Fuel Gas</b>	
GPA 2261	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography - Determination of gas composition (N <sub>2</sub> , C <sub>1</sub> -C <sub>5</sub> , CO <sub>2</sub> , C <sub>6</sub> +) by Gas Chromatography
<b>Petroleum products: Naphtha, Gasoil, Condensate, Kerojet A1</b>	
ASTM D4052	Standard Test Method for Density at 15°C, Relative Density and API Gravity at 60/60°F of Liquids Hydrocarbon by Digital Density Meter
<b>Kerojet A1</b>	
ASTM D7153	Standard Test Method for Freezing Point of Aviation Fuels (Automatic Laser Method)
IP 170	Determination of Flash Point – Abel Closed-cup Method
<b>Gasoil</b>	
ASTM D93 Procedure A	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester
ASTM D445	Standard Test Method for Kinematic Viscosity of Transparent Hydrocarbon Liquids
ASTM D5771	Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels (Optical Detection Stepped Cooling Method)
ASTM D5950	Standard Test Method for Pour Point of Petroleum Products (Automatic Tilt Method)
ASTM D6045	Standard Test Method for Color of Petroleum Products by the Automatic Tristimulus Method – ASTM Color Scale
<b>Clean Water</b>	
ASTM D1293 Test Method B	Standard Test Methods for pH of Water at 20-25 °C – Test Method B – Routine or Continuous Measurement of pH
ASTM D1125 Test Method A	Standard Test Methods for Electrical Conductivity and Resistivity of Water at 25°C – Test Method A – Field and Routine Laboratory Measurement of Static (Non-Flowing) Samples

## C) BARZAN LABORATORY

<b>Irrigation Water</b>	
EPA 120.1	Conductance (Specific Conductance, µmhos at 25 °C) by Conductivity Meter
EPA 150.1	pH (Electrometric) at 25 °C
<b>Fuel Gas</b>	
GPA 2261	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography - Fuel Gas Streams Analysis by Gas Chromatography
<b>Sales Gas</b>	
GPA 2261	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography – Sales Gas Streams Analysis by Gas Chromatography

