



CERTIFICATE OF ACCREDITATION

This is to attest that

BUZWAIR LABORATORY (QC DEPT. OF BUZWAIR SCIENTIFIC & TECHNICAL GASES AND BUZWAIR INDUSTRIAL GASES FACTORIES)

BUILDING 131, STREET NO. 2, NEW INDUSTRIAL AREA, DOHA, 319, QATAR
SATELLITE: BUILDING 169, STREET NO. 28, INDUSTRIAL AREA, DOHA, 319, QATAR

**Testing Laboratory TL-507
Testing Laboratory TL-1274**

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 June 27, 2024



A handwritten signature in black ink, reading '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

BUZWAIR LABORATORY (QC DEPT. OF BUZWAIR SCIENTIFIC & TECHNICAL GASES AND BUZWAIR INDUSTRIAL GASES FACTORIES)

Location	Address	Contact Name	Contact Phone	Scope pages
TL-507 Main	Building 131, Street No. 2, New Industrial Area, Doha, 319, Qatar	Najwa Nooman	+974-77032203	2-3
TL-1274 Satellite	Building 169, Street No. 28, Industrial Area, Doha, 319, Qatar	Najwa Nooman	+974-77032203	3

Accredited to ISO/IEC 17025:2017

Effective Date June 27, 2024

Test Method	Title
SOP/OPN/02 – FTIR SOP/OPN/07 – XZR SOP/OPN/18 – PDHID	Determination of impurities (Oxygen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Nitrogen
SOP/OPN/02 – FTIR SOP/OPN/07 – XZR SOP/OPN/18 – PDHID	Determination of impurities (Nitrogen, Oxygen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Argon
SOP/OPN/02 – FTIR SOP/OPN/07 – XZR SOP/OPN/18 – PDHID	Determination of impurities (Nitrogen, Hydrogen, Argon, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Oxygen
SOP/OPN/02 – FTIR SOP/OPN/07 – XZR SOP/OPN/18 – PDHID	Determination of impurities (Oxygen, Nitrogen, Hydrogen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Helium
SOP/OPN/02 – FTIR SOP/OPN/07 – XZR SOP/OPN/18 – PDHID	Determination of impurities (Oxygen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Hydrogen
SOP/OPN/02 – FTIR	Determination of moisture content in Nitrogen, Argon, Hydrogen, Helium, Oxygen, Carbon dioxide
ISO 6976	Natural Gas - Calculation of Physical Properties (melting point, boiling point, density, calorific value, vapor density, and Wobbe indices)
SOP/OPN/02 – CAI-FTIR SOP/OPN/09 – Eco physics- Chemiluminescence	Determination of Nitric Oxide, Nitrogen Dioxide, Ammonia, Nitrous Oxide, Hydrogen Chloride in N2/AIR/H2/He
SOP/OPN/01 – GC-FPD SOP/OPN/02 – CAI-FTIR	Determination of Hydrogen Sulfide, Sulphur Dioxide, Carbonyl Sulfide, Methyl Mercaptan, Ethyl Mercaptan, Propyl Mercaptan, Butyl Mercaptan, Isopropyl Mercaptan, Isobutyl Mercaptan, Dimethyl Sulfide, Carbonyl Disulfide in Nitrogen/Methane/Hydrogen/Air/Helium

Testing Laboratory TL-1274
Buzwair Laboratory (QC Dept.
Of Buzwair Scientific &
Technical Gases and Buzwair
Industrial Gases Factories)



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SOP/OPN/01 – GC-TCD SOP/OPN/11 – GC-TCD	Determination of gas composition mixture containing Oxygen, Methane, Carbon Monoxide, Carbon Dioxide, Hydrogen, Nitrogen, Argon, Helium
SOP/OPN/01 – GC-FID SOP/OPN/15 – Agilent GC-FID	Determination of gas composition mixture containing Hydrocarbons (C1 to C22) in Nitrogen/Helium/Hydrogen/Methane/Air/Carbon Dioxide
SOP/OPN/02 – CAI-FTIR SOP/OPN/07 – XZR Zirconia SOP/OPN/01 – GC-TCD	Determination of impurities (Oxygen, Carbon Monoxide, NOx, SOx, total Sulphur, THC's as Methane) in Carbon Dioxide

Satellite: TL-1274

SOP/OPN/13 – Aluminum Oxide SOP/OPN/17 – SPARK	Determination of moisture content in Nitrogen, Argon, Hydrogen, Helium, Oxygen, Carbon dioxide
SOPN/OPN/11 – GC- DID	Determination of impurities (Oxygen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Nitrogen
SOPN/OPN/11 – GC- HFADD	Determination of impurities (Nitrogen, Oxygen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Argon
SOPN/OPN/11 – GC- DID	Determination of impurities (Nitrogen, Hydrogen, Argon, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Oxygen
SOPN/OPN/11 – GC- DID	Determination of impurities (Oxygen, Nitrogen, Hydrogen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Helium
SOPN/OPN/11 – GC- DID	Determination of impurities (Oxygen, Carbon Monoxide, Carbon Dioxide, THC's as Methane) in Hydrogen