



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

WestAir Gases and Equipment, Inc.
2300 Haffley Avenue, National City, CA 91950
3001 E. Miraloma Ave., Anaheim, CA 92806

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Testing of Specialty Gases
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

July 19, 2012

Issue Date:

November 24, 2020

Expiration Date:

March 31, 2023

Accreditation No.:

74047

Certificate No.:

L20-714

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

WestAir Gases and Equipment, Inc.

2300 Haffley Avenue, National City, CA 91950

3001 E. Miraloma Ave., Anaheim, CA 92806

Contact Names: Keith Martinez, Austin Romesberg

Phone: 619-239-7571

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Chemical ^F	High pressure and cryogenic gases	Calibration Gas Cylinder -Trace moisture concentration	Electrolytic Moisture Analyzer	0.5 µmol/mol to 500 µmol/mol (0.13 µmol/mol LoD)
		Calibration Gas Cylinder -Percent oxygen concentration	Paramagnetic Oxygen Analyzer	1 mmol/mol to 1 000 mmol/mol (0.12 mmol/mol LoD)
		Calibration Gas Cylinder -Trace oxygen concentration	Electrochemical Oxygen Analyzer	0.5 µmol/mol to 500 µmol/mol (0.036 µmol/mol LoD)
		Calibration Gas Cylinder – Total hydrocarbon concentration	Total Hydrocarbon Analyzer (FID)	0.5 µmol/mol to 2 500 µmol/mol (0.12 µmol/mol LoD)
		Calibration Gas Cylinder – Gas mixture composition	Gas Chromatograph with Thermal Conductivity Detector	100 µmol/mol to 1 000 000 µmol/mol (21 µmol/mol LoD)
		Calibration Gas Cylinder – Carbon dioxide concentration in gases	Carbon Dioxide Analysis using NDIR	1 mmol/mol to 300 mmol/mol (0.12 mmol/mol LoD)
		Calibration Gas Cylinder -Gas mixture concentration	Gravimetric Balance	0.05 mmol/mol to 1 000 mmol/mol (0.000 3 mmol/mol LoD)



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Chemical ^F	High-pressure and Cryogenic Gases	Gas Mixture Concentration	Binary Gas Analyzer - Thermal Conductivity Detector	0.1 cmol/mol to 30 cmol/mol (0.12 cmol/mol LoD)
			Carbon Dioxide in Gas – NDIR	0.5 cmol/mol to 2.5 cmol/mol (0.0027 cmol/mol LoD)
			Carbon Monoxide in Gas - NDIR	25 µmol/mol to 500 µmol/mol (0.2 µmol/mol LoD)
			Electrolytic Moisture Analysis in Gas and Dewpoint	0.4 µmol/mol to 8.5 µmol/mol (0.13 µmol/mol LoD)
			Gas Chromatography with Discharge Ionization Detector	0.6 µmol/mol to 7.3 µmol/mol (0.2 µmol/mol LoD)
			Gas Chromatography with Flame Ionization Detector	5 µmol/mol to 100 µmol/mol (1.1 µmol/mol LoD)
			Gas Chromatography with Thermal Conductivity Detector	0.6 µmol/mol to 500 µmol/mol (0.17 µmol/mol LoD)
			Gravimetric Mixture Analysis	1 µmol/mol to 1 000 000 µmol/mol (µmol/mol LoD)
			Nitric Oxide in Gas – Chemiluminescence (Low Range)	5 µmol/mol to 50 µmol/mol (0.074 µmol/mol LoD)
			Nitric Oxide in Gas – Chemiluminescence (High Range)	100 µmol/mol to 1 000 µmol/mol (1.9 µmol/mol LoD)
			Nitrogen Dioxide in Gas - Electrochemical Detector	0.5 µmol/mol to 40 µmol/mol (0.12 µmol/mol LoD)
			Oxygen in Gas - Electrochemical Cell	1 µmol/mol to 7.4 µmol/mol (0.077 µmol/mol LoD)
			Oxygen in Gas - Paramagnetic Analyzer	1 cmol/mol to 21 cmol/mol (0.0051 cmol/mol LoD)
			Sulfur Dioxide in Gas – NDIR	50 µmol/mol to 500 µmol/mol (0.27 µmol/mol LoD)
			Total Hydrocarbon Analysis in Gas (FID)	0.4 µmol/mol to 5 µmol/mol (0.12 µmol/mol LoD)

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.