



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Spec Air Specialty Gases
22 Albiston Way, Auburn, ME 04210

(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):

Chemical Testing
(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:

October 7, 2006

Issue Date:

August 22, 2021

Expiration Date:

October 31, 2023

Accreditation No.:

59406

Certificate No.:

L21-512

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.pjllabs.com



Certificate of Accreditation: Supplement

Spec Air Specialty Gases

22 Albiston Way, Auburn, ME 04210

Contact name: Jason Goldrup Phone: 207-440-5887

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	Compressed Gas Mixture	Amount of Carbon Monoxide in Nitrogen	Thermal Conductivity Detector (TCD)	0.001 % mol fraction to 0.3 % mol fraction (10 ppm to 3 000 ppm)
		Amount of Methane in Air	Flame Ionization Detector (FID)	0.01 % mol fraction to 2.5 % mol fraction (100 ppm to 25 000 ppm)
		Amount of Methane in Nitrogen	Flame Ionization Detector (FID)	0.001 % mol fraction to 3 % mol fraction (10 ppm to 30 000 ppm)
		Amount of Carbon Dioxide in Nitrogen	Thermal Conductivity Detector (TCD)	1 % mol fraction to 20 % mol fraction (10 000 ppm to 200 000 ppm)
		Amount of Carbon Dioxide in Air	Thermal Conductivity Detector (TCD)	1 % mol fraction to 20 % mol fraction (10 000 ppm to 200 000 ppm)
		Trace Oxygen	Electrochemical Transducer	0.000 001 % mol fraction to 1 % mol fraction (0.01 ppm to 10 000 ppm)
		Oxygen in Nitrogen	Paramagnetic	1 % mol fraction to 99 % mol fraction (10 000 ppm to 990 000 ppm)
		Moisture Level	Electrolytic Cell	0.000 01 % mol fraction to 0.002 % mol fraction (0.1 ppm to 20 ppm)
		Amount of Hydrocarbon in Gas	Flame Ionization Detector (FID)	0.000 01 % mol fraction to 20 % mol fraction (0.1 ppm to 200 000 ppm)
		Amount of Nitrogen in Argon	Plasma Cell	0.000 01 % mol fraction to 20 % mol fraction (0.1 ppm to 100 ppm)
		Gravimetric Balance Gas Mixture Concentration	Gravimetric Balance	0.000 01 % mol fraction to 100 % mol fraction (0.1 ppm to 1 000 000 ppm)

- 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.