



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

***American Welding & Gas, Inc.***  
***664 Magnolia Avenue, Lexington, KY 40505***

*(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

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

*Initial Accreditation Date:*

November 06, 2011

*Issue Date:*

November 17, 2022

*Expiration Date:*

November 17, 2024

*Accreditation No.:*

76514

*Certificate No.:*

L22-768

*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](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## American Welding & Gas, Inc.

664 Magnolia Avenue, Lexington, KY 40505  
Contact Name: John Schoolcraft Phone: 317-536-5590

Accreditation is granted to the facility to 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 <sup>F</sup>	High pressure and cryogenic gases	Trace moisture concentration	Electrolytic Hygrometer	0.6 µmol/mol to 1 000 µmol/mol (0.2 µmol/mol LoD)
			Cavity Ring Down Spectroscopy (CRDS)	0.1 µmol/mol to 450 µmol/mol
		Trace hydrocarbon concentration	Flame Ionization Detector	0.2 µmol/mol to 100 000 µmol/mol (0.06 µmol/mol LoD)
		Trace oxygen concentration	Electrochemical Oxygen Analyzer	0.2 µmol/mol to 250 000 µmol/mol (0.035 µmol/mol LoD)
		Gas mixture concentration	Gas Chromatograph with Thermal Conductivity Detector	400 µmol/mol to 1 000 000 µmol/mol (130 µmol/mol LoD)
			Gas Chromatograph with Discharge Ionization Detector	0.1 µmol/mol to 1 000 µmol/mol (0.027 µmol/mol LoD)
			Binary Gas Analyzer	1.9 cmol/mol (%) to 59.89 cmol/mol (%)
		Percent oxygen concentration	Paramagnetic Oxygen Analyzer	990 mmol/mol to 1 000 mmol/mol (0.95 mmol/mol LoD)

1. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer<sup>F</sup> would mean that the laboratory performs this calibration at its fixed location.
2. This location is linked to 5353 West Southern Ave, Indianapolis, IN 46241 due to a share quality management system.