



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

***Airborne Labs International Inc.***  
*22C World's Fair Drive, Somerset, NJ 08873*

*(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:*

October 7, 2010

*Issue Date:*

November 29, 2022

*Expiration Date:*

February 28, 2025

*Accreditation No.:*

68099

*Certificate No.:*

L22-805

*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

## Airborne Labs International, Inc.

22C World's Fair Drive, Somerset, NJ 08873  
 Contact Name: Chandler Stryker Phone: 732-302-1950

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
Chemical <sup>F</sup>	Carbon Dioxide	Purity	ISBT 2.0/SAM 2.0 - Caustic absorption Zahm-Nagel
	Carbon Dioxide Oxygen Nitrogen Argon Helium Hydrogen	Water Vapor	ISBT 3.0/SAM 3.2 - FTIR
			ISBT 3.0/SAM 3.0, SAM 3.1/SAM 3.3 - Conductimetric Hydrometry
	Carbon Dioxide	Carbon Monoxide	ISBT 5.0/SAM 5.0 - Detector Tube (DT) Colorimetric
	Helium Argon Nitrogen Oxygen Hydrogen	Carbon Monoxide Carbon Dioxide Nitrous Oxide Acetylene	SAM 20.0 - FTIR
	Carbon Dioxide	Ammonia	ISBT 6.0/SAM 6.0 - Detector Tube (DT) Colorimetric
		Oxides of Nitrogen	ISBT 7.0/SAM 7.0 - Detector Tube (DT) Colorimetric
		Nitrogen Dioxide	ISBT 7.1/SAM 7.1 -Detector Tube (DT) Colorimetric
		Non-Volatile Residue/Non-Volatile Organic Residue	ISBT 8.0/SAM 8.0, SAM 8.1- Gravimetric
		Phosphine	ISBT SM 3.0 - Detector Tube (DT) Colorimetric
	Carbon Dioxide Oxygen Nitrogen Argon Helium Hydrogen	Total Hydrocarbons	ISBT 10.0/SAM 10.0/SAM 10.5 - GC/FID
	Carbon Dioxide	Non-Condensable Gases	ISBT 4.0/SAM 4.0 -DID
			SAM 4.1, SAM 4.4, SAM 4.1 - DID
		Methane and Total Non -Methane Hydrocarbons (Ethane, Ethylene, Propane, Propylene, i-Butane, n-Butane, Butene, i-Pentane, n-Pentane, Hexanes+)	ISBT 10.1/SAM 10.1 GC/FID



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Chemical <sup>F</sup>	Carbon Dioxide	Methanol and Volatile Oxygenates (Acetaldehyde, Dimethyl Ether, Diethyl Ether, Propionaldehyde, Acetone, t-Butanol, Ethanol, Isopropanol, Ethyl Acetate, Methyl Ethyl Ketone, 2-Butanol, n-Propanol, Isobutanol, n-Butanol, Isoamyl Acetate, Isoamyl Alcohol, Unknown VOX), Hydrogen Cyanide (HCN), Vinyl Chloride (VCl), Ethylene Oxide (EtO)	ISBT 9.0/ISBT 11.0/SAM 11.0 GC/FID
		Aromatic Hydrocarbon Compounds (Benzene, Toluene, Ethyl Benzene, o-Xylene, m-Xylene, p-Xylene)	ISBT 12.0/SAM 12.0 GC/FID
		Volatile Sulfur Compounds (Hydrogen Sulfide, Carbonyl Sulfide, Sulfur Dioxide, Methyl Mercaptan, Ethyl Mercaptan, Dimethyl Sulfide, Carbon Disulfide, t-Butyl Mercaptan, Methyl Ethyl Sulfide, i-Propyl Mercaptan, n-Propyl Mercaptan, 2-Butyl Mercaptan, i-Butyl Mercaptan, Diethyl Sulfide, n-Butyl Mercaptan, Dimethyl Disulfide, Unknown VSC)	ISBT 14.0/SAM 14.0 GC/SCD
		Determination of Total Sulfur Content (Hydrogen Sulfide, Carbonyl Sulfide, Sulfur Dioxide, Methyl Mercaptan, Ethyl Mercaptan, Dimethyl Sulfide, Carbon Disulfide, t-Butyl Mercaptan, Methyl Ethyl Sulfide, i-Propyl Mercaptan, n-Propyl Mercaptan, 2-Butyl Mercaptan, i-Butyl Mercaptan, Diethyl Sulfide, n-Butyl Mercaptan, Dimethyl Disulfide), Benzene, Acetaldehyde, Acetone, Methanol, Methane, Nitric Oxide, Nitrogen Dioxide, Hydrogen Cyanide, Ammonia, Vinyl Chloride	SAM SIS T-1.0 Soft Ionization Spectrometer (SIS)
		Odor, Taste and Appearance Determination from Carbon Dioxide in Water	ISBT 15.0/ISBT 16.0/SAM 16.0 Sensory
		Determination of Hydrogen Cyanide	ISBT SM 1.0/SAM SM 1.0 Detector Tube (DT)



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Chemical <sup>F</sup>	Carbon Dioxide	Determination of Vinyl Chloride	ISBT SM 2.0/SAM SM 2.0 Detector Tube (DT)
	Oxygen, Nitrogen, Argon, Hydrogen, Helium	Determination of Oxygen	SAM 4.2/SAM 4.5 -Oxygen Analyzer
			SAM 4.3 -Oxygen Analyzer
	Sulfur Hexafluoride (SF <sub>6</sub> )	Determination of Air and Carbon Tetrafluoride Content	ASTM D2472/IEC 376 - GC/TCD
			CCl <sub>2</sub> F <sub>2</sub>
		Water Vapor (Moisture Content)	ASTM D2472/IEC 376 - FTIR
		Dew Point	ASTM D2472/IEC 376 -Conversion Table
		Sulfur Dioxide	ASTM D2472/IEC 376 - Detector Tube
		Carbon Dioxide	ASTM D2472/IEC 376 - Detector Tube
		Hydrolyzable Fluorides	ASTM D2472/IEC 376 - Detector Tube
		Hydrogen Fuel	Water
	Total Hydrocarbon (compounds listed above)		ASTM D7653 - FTIR and ASTM D7833 GC/FID
	Oxygen		ASTM D7649 - GC/PDID
	Methane		ASTM D7653 - FTIR and ASTM D7833 - GC/FID
	Helium		ASTM D7833 - GC/TCD
	Nitrogen/Argon		ASTM D7833 - GC/PDID
	Carbon Dioxide		ASTM D7653 - FTIR
	Carbon Monoxide		ASTM D7653 - FTIR
	Sulfur Compounds (compounds listed above)		ASTM D7652 - GC/SCD
	Formaldehyde		ASTM D7652 - FTIR
Formic Acid	ASTM D7652 - FTIR		
Ammonia	ASTM D7652 - FTIR		
Total Halogenated Compounds (1,1-Dichloroethene, Methylene Chloride, Chloroform, 1,2-Dichloroethane, Carbon Tetrachloride + 1,2-Dichloropropane, Trichloroethylene, 1,1,2-Trichloroethane, 1,1,2,2-Tetrachloroethane, Hexachloro-1,3-Butadiene)	ASTM D7676 - GC/ECD or ASTM D7892 - GC/MS		



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

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

