



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

WHA International, Inc.

5605 Dona Ana Rd, Las Cruces, NM 88007 USA

(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, Mechanical, and Thermodynamic 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:

January 23, 2020

Issue Date:

January 07, 2024

Expiration Date:

February 28, 2026

Accreditation No.:

90137

Certificate No.:

L24-20

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

WHA International, Inc.

5605 Dona Ana Rd, Las Cruces, NM 88007 USA
 Contact Name: Ms. Nikki Kocsis. Phone: 575-523-5623

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	
Mechanical ^F	Nonmetallic materials, composite materials, binary materials (e.g., nonmetal coated metal), metallic materials	Ignition sensitivity in liquid oxygen by mechanical impact	ASTM G86 ASTM D2512 ISO 21010	14 J to 125 J	
Thermodynamic ^F	Nonmetallic materials, composite materials, binary materials (e.g., nonmetal coated metal), regulators, valves, valve integrated pressure regulators, hoses	Ignition sensitivity in gaseous oxygen by gaseous fluid impact Fire tolerance in gaseous oxygen by promoted ignition	ISO 7291 ISO 22435 CGA V-9 CGA E-4 ISO 14113 ISO 2503 EN 14143 EN 13949 ISO 21696 CGA E-18 CGA E-7 ASTM G74 ISO 21010 ISO 10524 – 1 ISO 10524 – 3 ISO 10297 ASTM G175-13 ISO 10524-2	0.5 MPa to 52 MPa	
	Nonmetallic materials, composite materials	Autogenous ignition temperature in oxygen	ASTM G72 ISO 11114-3 ISO 21010	60 °C to 500 °C	
	Metallic materials	Promoted combustion behavior in gaseous oxygen	ASTM G124	0.2 MPa to 38 MPa	
	Nonmetallic materials, composite materials	Drawn-arc ignition susceptibility in oxygen rich environment	IEC 60601-1 11.2.2.1a 5 (or 11.2.2.1b 1)	Up to 50 Vdc / Up to 30 A 50 Vdc to 200 Vdc / Up to 2 A Up to 280 VAC / Up to 10 A	
	Medical electrical equipment at risk of becoming oxygen enriched (e.g., ventilator, respirator, CPAP (continuous positive airway pressure), blower)		Compartment fire evaluation (oxygen rich environment)	IEC 60601-1 11.2.2.1b 4	21 % to 100 % O2 Purity
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Chemical ^F	Metallic parts/coupons, nonmetallic parts/coupons, and composite parts/coupons	Verification of surface cleanliness	CGA G-4.1 section 8.1.5.1 EIGA Doc 33 section 8.1.5.1 ISO 15001 Annex B.2.5 ASTM G122 ASTM F312	≥ 10 mg/m ² (min) ≥ 5 micron

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.

