



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Alternate Systems LLC
17440 Dallas Parkway, Suite 210, Dallas, TX 75287

(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):

Dimensional Inspection, Acoustic, Non-Destructive, Thermodynamic, and Electrical 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:

December 4, 2017

Issue Date:

March 19, 2024

Expiration Date:

May 31, 2026

Accreditation No.:

73642

Certificate No.:

L24-271

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

Alternate Systems LLC

17440 Dallas Parkway, Suite 210, Dallas, TX 75287
 Contact Name: Peter W. Wright Phone: 972-964-3124

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

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD D	TECHNOLOGY OR TECHNIQUE USED
F1, F2	Acoustic ^{FO}	Sound Surveys, Dosimetry, Spectrum	Sound Intensity, Spectrum	OSHA Section 3 Chapter 5	Radiation Survey Meter
F1, F4	Dimensional Inspection ^{FO}	Gage Blocks, Pin Gages, Thickness Standards Specific Tests	Diameters, Height, Thicknesses	AltSys Procedure	Laser Micrometry
F1, F4	Environmental ^{FO}	X-Ray Leakage	X-Ray Radiation Safety Surveys		Radiation Survey Meter
F1, F2	Non-Destructive ^{FO}	Coating Thickness Standards, Units	Coating Thickness and Alloy Analysis	ASTM B568	X-Ray Florescence
F1, F2		Non-magnetic Coatings on Magnetic Substrates, Non-Conductive Coatings on Conductive Substrates, Conductive Coatings on Nonconductive Substrates	Eddy Current and Magnetic Induction	ASTM B244 / ASTM E376	Eddy Current and Magnetic Induction
F1, F2		Nonferrous Alloys, Ferrous Alloys and Weld Metal	Alloy Conductivity and Ferrite Content	ASTM A799/A799M, ASTM E1004,	Magnetic Induction
F1, F4		XRF Chemical Composition	Weight %	AltSys Procedure	X-Ray Fluorescence
F1, F2		Thermodynamics ^{FO}	Thermocouples, RTDs, Data Loggers, IR Thermometers	Temperature	ASTM E1137
F1, F4	Electrical ^O	Equipment and Facilities Validation	21 CFR Parts 201 and 211 Validation	SOP Specific for Project	Calculation
F1, F2			Electrical Safety requirements, Customer Requirements	OSHA Subpart S Standard 1910.303, Customer Requirements	Digital Multimeter, Ground Tester
F1, F2			Electrical Safety, Fume Extraction Capability and Uniformity	29 CFR Part 1910.1450, ANSI/ASHRAE 110-1995, ANSI AIHA Z9.5, Customer Requirements	Anemometer, Smoke

1. The presence of a superscript O means that the laboratory performs testing of the indicated parameter onsite at customer locations. Example: Outside Micrometer^O would mean that the laboratory performs this testing onsite at the customer's location.
2. The presence of a superscript FO means that the laboratory performs testing of the indicated parameter both at its fixed location and onsite at customer locations. Example: Outside Micrometer^{FO} would mean that the laboratory performs this testing at its fixed location and onsite at customer locations.



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

3. Flex Code:
 - F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method
 - F2-Introduction of a new version of an accredited standard method (with no modifications)
 - F3-Introduction of a new parameter/component/analyte to an accredited test method
 - F4- Introduction of a new version or modifications of an accredited non-standard method
 - F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)

