



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Spectrum Technologies N.A. Inc.

12245 Wormer Ave, Redford, MI 48239

(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):

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:

Initial Accreditation Date:

April 26, 2015

Issue Date:

September 20, 2019

Expiration Date:

November 30, 2021

Tracy Szerszen
President/Operations Manager

Accreditation No.:

82464

Certificate No.:

L19-474

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.pjlab.com



Certificate of Accreditation: Supplement

Spectrum Technologies N.A. Inc.

12245 Wormer Ave, Redford, MI 48239

Contact Name: Michael Pickel Phone: 313-387-3000

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
Thermodynamic ^F	Medical Components, Automotive Components and Products, Mechanical Products, Electrical and Electronic Components and Products	Temperature	GM, Ford, Chrysler and Other Customer Specifications, MIL STD 810 (in conjunction with vibration and mechanical shock)	-40 °C to 150 °C
Mechanical ^F		Vibration	GM, Ford, Chrysler and Other Customer Specifications, MIL STD 810	5 Hz to 2 000 Hz
		Mechanical Shock	MIL STD 810 Customer Specification	1 g to 100 g 6 ms to 25 ms
		Shipping Simulation Material Handling	MIL STD 810 ASTM D4169 Customer Specification	Vibrations: 5 Hz to 2 000 Hz Shock: 1 g to 25 g 6 ms to 25 ms

1. 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.