



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

***NETZSCH Instruments North America, LLC***  
***Applications Laboratory***  
***129 Middlesex Turnpike, Burlington, MA 01803***

*(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/Operations Manager

*Initial Accreditation Date:*

January 3, 2020

*Issue Date:*

January 18, 2022

*Expiration Date:*

March 31, 2024

*Accreditation No.:*

74626

*Certificate No.:*

L22-94

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



# Certificate of Accreditation: Supplement

## Netzsch Instruments North America, LLC Applications Laboratory

129 Middlesex Turnpike, Burlington, MA 01803  
Contact Name: Brad Hammond Phone: 781-418-1803

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
Chemical <sup>F</sup>	Polymers	Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry	ASTM D3895	-180 °C to 1 650 °C
Mechanical <sup>F</sup>	Polymers, Metals, Ceramics, Composites, Glass	Linear Thermal Expansion of Solid Materials with a Push-Rod Dilatometer	ASTM E228	-180 °C to 1 630 °C
		Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis	ASTM E831	-150 °C to 1 550 °C
	Polymers	Determination of Properties of Polymeric Materials by Means of a Capillary Rheometer	ASTM D3835	25 °C to 500 °C
	Polymers, Composites	Plastics: Dynamic Mechanical Properties: In Flexure (Three-Point Bending)	ASTM D5023	-170 to 600 °C
	Non-Newtonian Materials	Rheological Properties of Non-Newtonian Materials by Rotational Viscometer	ASTM D2196	-40 °C to 350 °C



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Thermodynamic <sup>F</sup>	Insulations	Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus	ASTM C177	-160 °C to 600 °C
		Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	ASTM C518	-20 °C to 90 °C
	Polymers, Ceramics, Composites	Evaluating the Resistance to Thermal Transmission by the Guarded Heat Flow Meter Technique	ASTM E1530	-75 °C to 200 °C
	Polymers, Metals, Ceramics, Composites, Liquids, Glass	Thermal Diffusivity by the Flash Method, and Measurement of Specific Heat Capacity and Calculation of Thermal Conductivity	ASTM E1461	-125 °C to 2 000 °C
		Determining Specific Heat Capacity by Differential Scanning Calorimetry	ASTM E1269	-180 °C to 1 650 °C
		Enthalpies of Fusion and Crystallization by Differential Scanning Calorimetry	ASTM E793	-180 °C to 1 650 °C
		Melting And Crystallization Temperatures By Thermal Analysis	ASTM E794	-180 °C to 1 650 °C
		Compositional Analysis by Thermogravimetry	ASTM E1131	-180 °C to 1 600 °C
	Liquids, Melts	Determining Vapor Pressure by Thermal Analysis	ASTM E1782	-180 °C to 1 650 °C
		Polymers, Glass, Composites	Assignment of the Glass Transition Temperature by Thermomechanical Analysis	ASTM E1545

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.