



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):

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

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

January 3, 2020

Issue Date:

January 3, 2020

Expiration Date:

February 28, 2022

Accreditation No.:

74626

Certificate No.:

L20-13

*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.pjllabs.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
Mechanical ^F	Polymers, Metals, Ceramics, Composites, Glass	Linear Thermal Expansion of Solid Materials With a Push-Rod Dilatometer	ASTM E288	-180 °C to 1 630 °C
		Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis	ASTM E831	-150 °C to 1 550 °C
Thermodynamic ^F	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

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.