



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Netzsch Instruments North America, LLC Applications Laboratory

129 Middlesex Turnpike, Burlington, MA 01803

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Chemical, Mechanical, and Thermodynamic Testing (As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

January 03, 2020

April 17, 2026

June 30, 2028

Accreditation No.:

Certificate No.:

74626

L26-342

Tracy Szerszen
President

*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*

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



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 conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Chemical	Polymers	Oxidative-Induction Time of Polyolefins	ASTM D3895	Differential Scanning Calorimetry	F1, F2	F
Mechanical	Polymers, Metals, Ceramics, Composites, Glass	Linear Thermal Expansion of Solid Materials	ASTM E228	Push-Rod Dilatometer	F1, F2	F
Mechanical	Polymers, Metals, Ceramics, Composites, Glass	Linear Thermal Expansion of Solid Materials	ASTM E831	Thermomechanical Analysis	F1, F2	F
Mechanical	Polymers	Properties of Polymeric Materials	ASTM D3835	Capillary Rheometer	F1, F2	F
Mechanical	Polymers, Composites	Plastics: Dynamic Mechanical Properties: In Flexure (Three-Point Bending)	ASTM D5023	Dynamic Mechanical Analyzer	F1, F2	F
Thermodynamic	Insulations	Steady-State Heat Flux Measurements, Thermal Transmission Properties	ASTM C177	Guarded-Hot-Plate Apparatus	F1, F2	F
Thermodynamic	Insulations	Steady-State Thermal Transmission Properties	ASTM C518	Heat Flow Meter Apparatus	F1, F2	F
Thermodynamic	Polymers, Ceramics, Composites	Resistance to Thermal Transmission	ASTM E1530	Guarded Heat Flow Meter Technique	F1, F2	F
Thermodynamic	Polymers, Metals, Ceramics, Composites, Liquids, Glass	Thermal Diffusivity, Measurement of Specific Heat Capacity, Calculation of Thermal Conductivity	ASTM E1461	Flash Method	F1, F2	F
Thermodynamic	Ceramics, Composites, Liquids, Glass	Determining Specific Heat Capacity	ASTM E1269	Differential Scanning Calorimetry	F1, F2	F
Thermodynamic	Ceramics, Composites, Liquids, Glass	Enthalpies of Fusion, Crystallization	ASTM E793	Differential Scanning Calorimetry	F1, F2	F
Thermodynamic	Ceramics, Composites, Liquids, Glass	Melting, Crystallization Temperatures	ASTM E794	Differential Scanning Calorimetry	F1, F2	F
Thermodynamic	Ceramics, Composites, Liquids, Glass	Compositional Analysis	ASTM E1131	Thermogravimetry	F1, F2	F



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 conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Thermodynamic	Liquids, Melts	Determining Vapor Pressure	ASTM E1782	Thermal Analysis	F1, F2	F
Thermodynamic	Polymers, Glass, Composites	Assignment of the Glass Transition Temperature	ASTM E1545	Thermomechanical Analysis	F1, F2	F

1. Location of activity:

Location

F

Location

Conformity assessment activity is performed at the CABs fixed facility

2. Flex Code:

- F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
- F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
- F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
- F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
- F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
- F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope