PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Teel Analytical Laboratories

1060 Teel Court, Baraboo, WI 53913
702 Lynn Avenue, Baraboo, WI 53913

(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 Dimensional 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

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
December 5, 2013	February 21, 2022	April 30, 2024

Accreditation No.:	*Certificate No.:*
76253	L22-153

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

Certificate of Accreditation: Supplement

Teel Analytical Laboratories
1060 Teel Court, Baraboo, WI 53913
702 Lynn Avenue, Baraboo, WI 53913
Contact Name: Dan Clark Phone: 608-355-4626

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

1060 Teel Court, Baraboo, WI 53913

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 [F]	Plastics	% Crystallinity Enthalpy of Fusion Heat Capacity Delta CP Glass Transition Onset Temperature Glass Transition Endset Temperature Glass Transition Midpoint Temperature Melt Peak Temperature Melt Onset Temperature Melt Endset Temperature OIT Reaction Enthalpy Reaction Onset Temperature Reaction Endset Temperature Reaction Midpoint Temperature	ASTM D3418	-80 °C to 600 °C
		% Composition Degradation Onset Temperature % Inorganic Material % Carbon	ASTM E1131	Ambient to 1 100 °C
		Infrared Spectrum Qualitative Identification	ASTM E1252	N/A
		Moisture	ASTM D7191	12.7 µg to 5 000 µg
		Thermogravimetric Analysis	ASTM D3850	D.L. = 0.046 mg
Mechanical [F]	Plastics	Density	ASTM D792	D.L. = 0.2 mg
		Durometer Hardness	ASTM D2240[2]	Type A and Type D 20 dp to 90 dp
		Melt Flow Rate of Thermoplastics	ASTM D1238	1 kg to 21.6 kg Up to 400 °C
	Tensile Properties of Plastics	Plastics Tensile Testing	ASTM D638	1 500 lbf max

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Dimensional [F]	Solid and Liquid Materials	Microscopy	Teel SOP053	D.L. = 0.005 mm
		Particle Size	ASTM D1921	10 to 270 mesh size

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Chemical [F]	Plastics	Loss on Drying	ASTM E1868[1]	D.L. = 2.067 8 mg

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Mechanical [F]	Plastics	Bulk Density	ASTM D1895	N/A

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.