PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Birmingham-Toledo, Inc.

111 North Main Street, Graysville, AL 35073

(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):

Dimensional and Mass, Force, and Weighing Devices Calibration

(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:*
March 29, 2010	December 05, 2023	March 31, 2026
Revision Date:	*Accreditation No.:*	*Certificate No.:*
November 26, 2024	67755	L23-886-R1

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

Birmingham-Toledo, Inc.
111 North Main Street, Graysville, AL 35073
Contact Name: Blake Hargrove Phone: 256-350-7501

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

Mass, Force, and Weighing Devices

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Bench Scales, Electronic Balances, Tank Scales, and Hopper Scales Low Capacity [FO]	0.03 oz to 100 oz (Resolution = 0.01 oz)	0.001 3 oz	NIST Class F Test Weights	Manufacturers Specs. NIST Handbook 44 and Internal Procedures
	0.08 oz to 200 oz (Resolution = 0.02 oz)	0.026 oz		
	0.04 g to 1 000 g (Resolution = 0.01 g)	0.013 g		
	0.4 g to 2 500 g (Resolution = 0.1 g)	0.13 g		
	4 g to 5 000 g (Resolution = 1 kg)	1.3 g		
	0.004 kg to 10 kg (Resolution = 0.001 kg)	0.001 3 kg		
	0.04 kg to 100 kg (Resolution = 0.01 kg)	0.013 kg		
	0.4 kg to 1 000 kg (Resolution = 0.1 kg)	0.13 kg		
	4 kg to 10 000 kg (Resolution = 1 kg)	1.3 kg		
	0.005 lb to 5 lb (Resolution = 0.005 lb)	0.000 65 lb		
	0.004 lb to 10 lb (Resolution = 0.001 lb)	0.001 3 lb		
	0.04 lb to 50 lb (Resolution = 0.005 lb)	0.006 5 lb		
	0.04 lb to 100 lb (Resolution = 0.01 lb)	0.013 lb		
	0.2 lb to 500 lb (Resolution = 0.05 lb)	0.065 lb		
Floor Scales, Tank Scales, Cattle Scales, Hoppers Medium Capacity [FO]	0.42 lb to 1 000 lb (Resolution = 0.1 kg)	0.14 lb	NIST Class F Test Weights	Manufacturers Specs. NIST Handbook 44 and Internal Procedures
	2 lb to 5 000 lb (Resolution = 0.5 lb)	0.65 lb		
	4 lb to 10 000 lb (Resolution = 1 lb)	1.3 lb		
	8 lb to 20 000 lb (Resolution = 2 lb)	2.6 lb		
	20 lb to 100 000 lb (Resolution = 5 lb)	6.5 lb		
	40 lb to 120 000 lb (Resolution = 10 lb)	13 lb		
	80 lb to 200 000 lb (Resolution = 20 lb)	26 lb		

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Rail, Tank and Hopper Scales & High Capacity Weighing systems [O]	200 lb to 400 000 lb (Resolution = 50 lb)	65 lb	NIST Class F Test Weights	Manufacturers Specs. NIST Handbook 44 and Internal Procedures
	400 lb to 500 000 lb (Resolution = 100 lb)	130 lb		
Analytical Balances [FO]	0.001 g to 100 g (Resolution = 0.000 01 g)	0.000 023 g	Class 1 Weights	WI-1013
	0.001 g to 250 g (Resolution = 0.000 01 g)	0.000 14 g		
	0.004 g to 500 g (Resolution = 0.00 1 g)	0.01 g		

Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Length - Measure				
Micrometers [FO]	Up to 1 Inches	90 µinch	Grade Block Sets	WI-001
Calipers [FO]	Up to 12 inches	0.00072 inch		WI-002
Dial Indicators [FO]	Up to 1 Inches	0.00075 inch	Grade Block Set & Surface Plate	WI-003
Height Gage [FO]	Up to 30 inches	0.00072 inch		WI-004

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor *k* (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.

2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.

3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location.

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

4. The presence of a superscript O means that the laboratory performs calibration of the indicated parameter onsite at customer locations.

5. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.

6. This organization maintains the following satellite sites: 2460 Wall Street, Suite B, Millbrook, AL 36054 and 717 Hwy 67 South, Suite 22, Decatur, AL 35603