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 17025:2005

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 January 2009):

Calibration of Weighing Devices

(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:

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
March 29, 2010	November 13, 2017	November 13, 2019

Accreditation No:	*Certificate No:*
67755	L17-489

Tracy Szerszen
President/Operations Manager

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

Certificate of Accreditation: Supplement

Birmingham-Toledo, Inc.
111 North Main Street, Graysville, AL 35073
Contact: Robert Proctor Phone: 205-655-1881

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

Mass, Force, and Weighing Devices

MEASURED INSTRUMENT, QUANTITY OR GAUGE	SCALE AND BALANCE CAPACITY	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Bench Scales & Systems[FO]	100 oz	0.03 oz to 100 oz (Res. = 0.01 oz)	0.001 3 oz	NIST Class F Test Weights Manufacturers Specs. NIST Handbook 44 and Internal Procedures
	200 oz	0.08 oz to 200 oz (Res. = 0.02 oz)	0.026 oz	
	10 kg	0.004 kg to 10 kg (Res. = 0.001 kg)	0.001 3 kg	
	100 kg	0.04 kg to 100 kg (Res. = 0.01 kg)	0.013 kg	
	1 000 kg	0.4 kg to 1 000 kg (Res. = 0.1 kg)	0.13 kg	
	10 000 kg	4 kg to 10 000 kg (Res. = 1 kg)	1.3 kg	
	120 000 kg	39 kg to 120 000 kg (Res. = 10 kg)	13 kg	
	200 000 kg	78 kg to 200 000 kg (Res. = 20 kg)	26 kg	
	5 lb	0.005 lb to 5 lb (Res. = 0.005 lb)	0.000 65 lb	
	10 lb	0.004 lb to 10 lb (Res. = 0.001 lb)	0.001 3 lb	
	50 lb	0.04 lb to 50 lb (Res. = 0.005 lb)	0.006 5 lb	
	100 lb	0.04 lb to 100 lb (Res. = 0.01 lb)	0.013 lb	
	500 lb	0.2 lb to 500 lb (Res. = 0.05 lb)	0.065 lb	
Industrial Scales & Systems[FO]	1 000 lb	0.42 lb to 1 000 lb (Res. = 0.1 kg)	0.14 lb	NIST Class F Test Weights Manufacturers Specs. NIST Handbook 44 and Internal Procedures
	5 000 lb	2 lb to 5 000 lb (Res. = 0.5 lb)	0.65 lb	
	10 000 lb	4 lb to 10 000 lb (Res. = 1 lb)	1.3 lb	
	20 000 lb	8 lb to 20 000 lb (Res. = 2 lb)	2.6 lb	
	100 000 lb	20 lb to 100 000 lb (Res. = 5 lb)	6.5 lb	
	120 000 lb	40 lb to 120 000 lb (Res. = 10 lb)	13 lb	
	200 000 lb	80 lb to 200 000 lb (Res. = 20 lb)	26 lb	

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Industrial Scales & Systems[FO]	400 000 lb	200 lb to 400 000 lb (Res. = 50 lb)	65 lb	NIST Class F Test Weights Manufacturers Specs. NIST Handbook 44 and Internal Procedures
	400 000 lb	400 lb to 400 000 lb (Res. = 100 lb)	130 lb	
	500 000 lb	400 lb to 500 000 lb (Res. = 100 lb)	130 lb	
Laboratory Scales & Systems[FO]	100 g	0.001 g to 100 g (Res. = 0.000 01 g)	0.000 023 g	Class 1 Weights Euromet 18 Method NIST Handbook 44
	250 g	0.001 g to 250 g (Res. = 0.000 1 g)	0.000 14 g	
	500 g	0.004 g to 500 g (Res. = 0.001 g)	0.001 3 g	
	1 000 g	0.04 g to 1 000 g (Res. = 0.01 g)	0.013 g	
	2 500 g	0.4 g to 2 500 g (Res. = 0.1 g)	0.13 g	
	5 000 g	4 g to 5 000 g (Res. = 1 g)	1.3 g	

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represent the smallest measurement uncertainties attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is 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. This organization maintains satellite organization(s) where no key activities are performed. The accredited corporate site with the above address is also accredited for satellite site(s). Only one certificate and scope of accreditation is issued with the corporate organization's address. Reports are issued from the corporate address only.

3. The presence of a superscript FO means that the laboratory performs calibration of the indicated parameter both at its fixed location and onsite at customer locations. Example: Outside Micrometer[FO] would mean that the laboratory performs this calibration at its fixed location and onsite at customer locations.

4. 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.