



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

***Birmingham-Toledo, Inc.  
3620 Vann Road  
Birmingham, AL 35235***

*(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):*

***Weighing Device Calibration  
(As detailed in the supplement)***

*Such testing and/or calibration services shall only be offered at or from the address given above. 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:

*The validity of this certificate is mandated through ongoing surveillance.*

Tracy Szerszen  
President/Operations Manager

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
26555 Evergreen, Suite 1325  
Southfield, Michigan 48076

*Initial Accreditation Date:*  
March 29, 2010

*Accreditation No.:*  
67755

*Issue Date:*  
March 29, 2010

*Certificate No.:*  
L10-45

*Expiration Date:*  
June 20, 2011

*Page No.:*  
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# Certificate of Accreditation: Supplement

**Birmingham-Toledo, Inc.**  
3620 Vann Road  
Birmingham, AL 35235

*Accreditation is granted to this 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)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	REMARKS
Laboratory Balances	250 g	0.001 g to 250 g (Res. = 0.000 1 g)	0.003 1 g	S-1 Weights NIST HB44 BTI Procedures
	500 g	251 g to 500 g (Res. = 0.001 g)	0.005 9 g	
	1 000 g	501 g to 1 000 g (Res. = 0.002 g)	0.012 g	
	1 000 g	501 g to 1 000 g (Res. = 0.01 g)	0.17 g	
	1 000 g	501 g to 1 000 g (Res. = 0.1 g)	0.12 g	
	2 000 g	1 001 g to 2 000 g (Res. = 0.2 g)	0.24 g	
	2 500 g	2 001 g to 2 500 g (Res. = 0.5 g)	0.58 g	
	5 kg	2 501 g to 5 kg (Res. = 1.0 g)	1.2 g	
	10 kg	5 001 g to 10 kg (Res. = 2.0 g)	2.4 g	
Laboratory Scales	10 kg	1 g to 10 kg (Res. = 0.001 kg)	0.001 7 kg	NIST Class F Weights NIST HB44 BTI Procedures
	20 kg	10.001 kg to 20 kg (Res. = 0.002 kg)	0.003 3 kg	
	50 kg	20.001 kg to 50 kg (Res. = 0.005 kg)	0.008 2 kg	
Bench & Counting Scales	100 kg	50.001 kg to 100 kg (Res. = 0.01 kg)	0.017 kg	
	200 kg	100.001 kg to 200 kg (Res. = 0.02 kg)	0.033 kg	
	500 kg	200.001 kg to 500 kg (Res. = 0.05 kg)	0.063 kg	
	1 000 kg	500.001 kg to 1 000 kg (Res. = 0.1 kg)	0.17 kg	
	2 000 kg	1 000.001 kg to 2 000 kg (Res. = 0.2 kg)	0.33 kg	
Industrial Scales & Systems	5 000 kg	2 000.001 kg to 5 000 kg (Res. = 0.5 kg)	0.82 kg	
	10 000 kg	5 000.001 kg to 10 000 kg (Res. = 1 kg)	1.7 kg	



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Industrial Scales & Systems (Continued)	20 000 kg	10 000.00 kg to 20 000 kg (Res. = 2 kg)	3.3 kg	NIST Class F Weights NIST HB44 BTI Procedures
	100 000 kg	20 000.001 kg to 100 000 kg (Res. = 5 kg)	13 kg	
	120 000 kg	100 000.001 kg to 120 000 kg (Res. = 10 kg)	18 kg	
	200 000 kg	120 000.001 kg to 200 000 kg (Res. = 20 kg)	33 kg	
Laboratory Scales	100 oz	1 oz to 100 oz (Res. = 0.01 oz)	0.026 oz	
	200 oz	100 oz to 200 oz (Res. = 0.02 oz)	0.034 oz	
Bench & Counting Scales	5 lb	1 lb to 5 lb (Res. = 0.000 5 lb)	0.000 9 lb	
	10 lb	6 lb to 10 lb (Res. = 0.001 lb)	0.001 7 lb	
	20 lb	11 lb to 20 lb (Res. = 0.002 lb)	0.003 3 lb	
	50 lb	21 lb to 50 lb (Res. = 0.005 lb)	0.008 2 lb	
	100 lb	51 lb to 100 lb (Res. = 0.01 lb)	0.017 lb	
	200 lb	101 lb to 200 lb (Res. = 0.02 lb)	0.033 lb	
	500 lb	201 lb to 500 lb (Res. = 0.05 lb)	0.082 lb	
Industrial Scales & Systems	1 000 lb	501 lb to 1 000 lb (Res. = 0.1 lb)	0.17 lb	
	2 000 lb	1 001 lb to 2 000 lb (Res. = 0.2 lb)	0.25 lb	
	5 000 lb	2 001 lb to 5 000 lb (Res. = 0.5 lb)	0.82 lb	
	10 000 lb	5 001 lb to 10 000 lb (Res. = 1 lb)	1.6 lb	



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Industrial Scales & Systems (Continued)	20 000 lb	10 001 lb to 20 000 lb (Res. = 2 lb)	3.3 lb	NIST Class F Weights NIST HB44 BTI Procedures
	100 000 lb	20 001 lb to 100 000 lb (Res. = 5 lb)	13 lb	
	120 000 lb	100 001 lb to 120 000 lb (Res. = 10 lb)	18 lb	
	200 000 lb	120 001 lb to 200 000 lb (Res. = 20 lb)	33 lb	
	400 000 lb	200 001 lb to 400 000 lb (Res. = 50 lb)	74 lb	
	400 000 lb	200 001 lb to 400 000 lb (Res. = 100 lb)	130 lb	

1. Remarks: This column shall include pertinent information about the calibration of the Measured Instrument or parameter. The information should include the type of standards used and any pertinent information about the measurement method. This column is not to be used for commercial advertisement of laboratory services.
2. Best Measurement Capability (BMC) represents an expanded uncertainty with a confidence level of approximately 95% using a coverage factor “k” = 2. The BMC listed represents the best uncertainty attainable for a device that the organization calibrates in its laboratory. When calibrations are performed off-site, estimated uncertainties are typically higher due to equipment resolution, mechanical influences and environmental influences at the calibration site.
3. This organization maintains satellite organization(s) where no key activities are preformed. 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.
4. This organization maintains the following satellite sites: Montgomery Scales & Systems, 2441 Wall St, Suite B., Millbrook, AL 36054; Birmingham-Toledo, Inc., 707 Central Parkway, Decatur, AL 35601