PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Carolina Scales

929 North Lucas Street, West Columbia, SC 29169

(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 Balances, Scales and Other 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:

Tracy Szerszen
President/Operations Manager

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
August 20, 2015	October 10, 2013	October 9, 2015

Accreditation No:	*Certificate No:*
59360	L13-213

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

Carolina Scales
929 North Lucas Street, West Columbia, South Carolina 29169
Phil Smith Phone: 803-739-4360

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

Mass, Force, and Weighing Devices:

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Laboratory Balances^{F}	5 mg to 2 kg Res = 1 mg	$(1.20 \times 10^{-3} + 1.15 \times 10^{-4}$ Wt) g	Class F Weights
Bench Scales^{F}	2 lb to 300 lb Res = 0.02 lb	$(2.30 \times 10^{-2} + 6.22 \times 10^{-5}$ Wt) lb	
Floor Scales^{F}	301 lb to 10 000 lb Res = 0.5 lb	$(5.56 \times 10^{-1} + 7.35 \times 10^{-5}$ Wt) lb	
Hopper Scales^{O}	5 lb to 40 000 lb Res = 1.0 lb	$(1.15 + 9.02 \times 10^{-5}$ Wt) lb	
Truck Scales^{O}	1 000 lb to 200 000 lb Res = 20 lb	$(23.04 + 4.18 \times 10^{-5}$ Wt) lb	
Rail Scales^{O}	1 000 lb to 340 000 lb Res = 50 lb	$(57.69 + 3.56 \times 10^{-5}$ Wt) lb	
	1 000 lb to 340 000 lb Res = 100 lb	$(115.45 + 1.91 \times 10^{-5}$ Wt) lb	

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. Example: Outside Micrometer^{F} would mean that the laboratory performs this calibration at its fixed location.

4. The presence of a superscript O means that the laboratory performs calibration of the indicated parameter onsite at customer locations. Example: Outside Micrometer^{O} would mean that the laboratory performs this calibration onsite at the customer's location.

5. The term Wt represents weight in units appropriate to the uncertainty statement.

6. The term Res represents the resolution to which the best measurement capability was computed.