



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

**Abacus Scale, Inc.
1640 West Pershing Road
Chicago, IL 60609**

(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):

**Laboratory and Field Calibration of Weighing Devices
(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)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:
November 18, 2004

Accreditation No.:
59323

Issue Date:
April 14, 2011

Certificate No.:
L11-62

Expiration Date:
April 13, 2013

Page No.:
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Certificate of Accreditation: Supplement

Abacus Scale, Inc.
1640 W. Pershing Road
Chicago, IL 60609

Accreditation is granted to this 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 (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Balances	0.001 g to 400 g	$(1.17 \times 10^{-4} + 3.0 \times 10^{-6}Wt) \text{ g}$	ASTM E617 Class 1 Weights
	0.1 g to 11 000 g	$(1.15 \times 10^{-1} + 1.06 \times 10^{-4}Wt) \text{ g}$	NIST Handbook 44 NIST 105-1 Class F Weights
Bench Scales	2 lb to 500 lb	$(5.7 \times 10^{-2} + 4.9 \times 10^{-5}Wt) \text{ lb}$	NIST Handbook 44 NIST 105-1 Class F Weights
Floor Scales, Crane Scales Tank Scales, and Hopper Scales	50 lb to 20 000 lb	$(2.3 + 4.8 \times 10^{-5}Wt) \text{ lb}$	NIST Handbook 44 NIST 105-1 Class F Weights

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. The term Wt represents weight in pounds or grams (including SI multiple and submultiple units) appropriate to the uncertainty statement.