



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Standard Scale and Supply Company
25421 Glendale Avenue, Redford, MI 48239

(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):

Calibration of Weigh Scales, Weight-Based Parts Counting Systems, Weight-Based Force Measurements Devices, Balances and Vehicle Weighing Systems
(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:

<i>Initial Accreditation Date:</i>	<i>Issue Date:</i>	<i>Expiration Date:</i>
February 5, 2010	March 23, 2022	June 30, 2024

Tracy Szerszen
President

<i>Accreditation No.:</i>	<i>Certificate No.:</i>
59180	L22-223

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.pjllabs.com



Certificate of Accreditation: Supplement

Standard Scale and Supply Company

25421 Glendale Avenue, Redford, MI 48239

Contact Name: John Bowman Phone: 313-255-6700

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 (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Scales ^{FO}	0.001 lb to 10 lb (div = 0.001 lb)	$(1.0 \times 10^{-3} + 5.8 \times 10^{-5}Wt)$ lb	Verification with Class F Weights per NIST HB44
	0.01 lb to 100 lb (div = 0.01 lb)	$(1.0 \times 10^{-2} + 8.6 \times 10^{-5}Wt)$ lb	
	0.1 lb to 1 000 lb (div = 0.1 lb)	$(1.0 \times 10^{-1} + 6.4 \times 10^{-5}Wt)$ lb	
	1 lb to 10 000 lb (div = 1 lb)	$(1.0 + 8.7 \times 10^{-5}Wt)$ lb	
	1 000 lb to 25 000 lb (div = 20 lb)	$(20 + 5.9 \times 10^{-5}Wt)$ lb	
	1 g to 100 kg (div = 1 g)	$(1.0 + 1.0 \times 10^{-4}Wt)$ g	
Industrial Balances ^{FO}	0.1 g to 100 kg (div = 0.1 g)	$(1.0 \times 10^{-1} + 1.0 \times 10^{-4}Wt)$ g	
Laboratory Balances ^{FO}	0.01 g to 4 500 g (div = 0.01 g)	$(1.0 \times 10^{-2} + 2.0 \times 10^{-6}Wt)$ g	Verification with Class 1 & 2 weights per NIST HB44
	1 mg to 4 500 g (div = 1 mg)	$(1.0 \times 10^{-3} + 2.0 \times 10^{-6}Wt)$ g	Verification with Class 1 & 2 weights per ASTM E898
	0.1 mg to 1 000 g (div = 0.1 mg)	$(1.2 \times 10^{-4} + 2.0 \times 10^{-6}Wt)$ g	
Force Testers ^{FO}	0.1 lb to 1 000 lb (div = 0.1 lb)	$(1.0 \times 10^{-1} + 6.4 \times 10^{-5}Wt)$ lb	Verification with Class F Weights per ASTM E4

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.
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. 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.