



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Pioneer Scale Co., Inc.

2101 Congo Road, Suite 1000 Benton, AR 72015

950 Dale Ave, Benton, AR 72015

1219 Crest Lane Drive, Duncanville, TX 75137

1650 Skyway Drive Suite 2, Longmont, CO 80504

1607B N. Robison Rd, Texarkana, TX 75501

(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):

***Mass, Force, and Weigh Device, Mechanical,
Dimensional, and Chemical Calibration***
(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

Initial Accreditation Date:

January 19, 2021

Issue Date:

February 02, 2023

Expiration Date:

April 30, 2025

Accreditation No.:

108783

Certificate No.:

L23-92

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

Pioneer Scale Co., Inc.

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 1650 Skyway Drive, Suite 2, Longmont, CO 80504
 1607B N. Robison Rd, Texarkana, TX 75501
 Contact Name: Jeff Johnson Phone: 501-672-6298

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 (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Scales 0.01 lb min resolution ^{FO}	Up to 100 lb	0.23 lb	Class F Weights/HB44
Scales 0.1 lb min resolution ^{FO}	101 lb to 1 000 lb	0.37 lb	
Scales 1 lb min resolution ^{FO}	1 001 lb to 10 000 lb	1.5 lb	
Scales 10 lb min resolution ^O	10 001 lb to 100 000 lb	13 lb	
Scales 20 lb min resolution ^O	100 001 lb to 200 000 lb	24 lb	

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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 (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Balances 0.0 001g min resolution ^{FO}	Up to 200 g	0.94 mg	Class 1 Weights/Euromet CG-18
Balances 0.001 g min resolution ^{FO}	Up to 1 000 g	6.8 mg	Class 2 Weights/HB44
Balances 0.01 g min resolution ^{FO}	Up to 10 000 g	19 mg	
Force ^{FO}	Up to 2 000 lbf	0.58 %	Load Cells, PCM/ASTM E4

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Dimensional

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Micrometers ^{FO}	Up to 6 in	80 μ m	Gage Blocks/ASME B89.1.13
Calipers ^{FO}	Up to 12 in	580 μ m	Gage Blocks/ASME B89.1.14



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

1650 Skyway Drive, Suite 2, Longmont, CO 80504

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1219 Crest Lane Drive, Duncanville, TX 75137

Chemical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
pH Meter ^{FO}	4 pH	0.42 pH	Traceable Buffer Solutions/USP791
	7 pH	0.42 pH	
	10 pH	0.42 pH	

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Mechanical

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Indirect Verification of Rockwell Hardness ^{FO}	HRBW Low	1.3 HRBW	Traceable Hardness Blocks/ASTM E18
	HRBW Middle	0.90 HRBW	
	HRBW High	0.63 HRBW	
	HRC Low	1.3 HRC	
	HRC Middle	0.84 HRC	
	HRC High	0.63 HRC	

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.



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

3. 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.
4. 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.
5. 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.
6. 2101 Congo Road, Suite 1000 Benton, AR 72015 is corporate headquarters location and quality management system activities. No calibration activities performed at this location.

