

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

S+J Carolina Scale 1236 Barkley Road, Statesville, NC 28677

and hereby declares that the Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Dimensional, Mass, Force, and Weighing Devices, Mechanical, Electrical, and Thermodynamic Calibration (As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Jeacy Suspen

Tracy Szerszen President

Perry Johnson Laboratory Accreditation, Inc. (PJLA) 755 W. Big Beaver, Suite 1325 Troy, Michigan 48084 Initial Accreditation Date: May 13, 2016 *Issue Date:* June 18. 2025 Expiration Date:

September 30, 2027

Accreditation No.: 91017 Certificate No.: L25-465

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



S+J Carolina Scale

1236 Barkley Road, Statesville, NC 28677 Contact Name: Kirk Lawton Phone: 704-838-6767

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF CALIBRATION	MEASURED INSTRUMENT,	RANGE (AND SPECIFICATION	CALIBRATION AND MEASUREMENT	CALIBRATION EQUIPMENT AND	CALIBRATION MEASUREMENT	LOCATION OF ACTIVITY
	QUANTITY OR GAUGE	WHERE APPROPRIATE)	AS AN UNCERTAINTY (±)	STANDARDS USED	PROCEDURES USED	
Dimensional	Calipers	Up to 12 in	600 µin	AS-1 Gage Blocks,	SJC-010	F, O
				Ring		
Dimensional	Calipers	12.001 in to 36 in	0.001 2 in	AS-1 Gage Blocks,	SJC-010	F, O
				Ring		
Dimensional	Micrometers	Up to 12 in	60 µin	AS-1 Gage Blocks	SJC-011	F, O
				Surface Plate		
Dimensional	Micrometers	12.000 5 in to 24.000 in	600 µin	AS-1 Gage Blocks	SJC-011	F, O
D' ' 1			0.001.0	Surface Plate	010.010	E O
Dimensional	Dial & Digital Indicators	Up to 1 in	0.001 2 in	AS-1 Gage Blocks	SJC-012	F, O
Dimensional	Height Caree		(00 min	Surface Plate	SIC 012	0
Dimensional	Height Gages	Op to 12 m	600 μin	AS-1 Gage Blocks	SJC-013	0
Dimensional	Height Gages	12 001 in to 36 in	0.001.2 in	AS 1 Gage Blocks	SIC-013	ΕO
Dimensional	Height Gages	12.001 m to 50 m	0.001 2 11	Surface Plate	550-015	1,0
Dimensional	Rules & Tapes	Up to 24 in	0.005 6 in	Caliper	SJC-018	F. O
	1	1		Surface Plate		,
Mass, Force, and	Top Loaders	0.05 g to 20 kg	$(5.8 \text{ x } 10^{-3} + 2.22 \text{ x } 10^{-3})$	Class 1, Class 2 Weights	ASTM E898	F, O
Weighing Devices	-	(Res. = 0.01 g)	⁵ Wt) kg		SJC-001	
Mass, Force, and	Bench Scales	0.001 lb to 10 lb	$(1.2 \text{ x } 10^{-3} + 4.72 \text{ x } 10^{-3})$	Class 1 & Class 2	ASTM E898	F, O
Weighing Devices		(Res = 0.001 lb)	⁵ Wt) lb	Weights	SJC-001	
Mass, Force, and	Bench Scales	0.01 lb to 100 lb	$(1.16 \text{ x } 10^{-2} + 4.72 \text{ x } 10^{-2})$	Class 1 & Class 2	ASTM E898	F, O
Weighing Devices		(Res = 0.01 lb)	⁵ Wt) lb	Weights	SJC-001	
Mass, Force, and	Floor Scales	2 lb to 2 000 lb	$(5.77 \text{ x } 10^{-1} + 2.23 \text{ x } 10^{-1})$	Class F Weights	NIST Handbook 44	F, O
Weighing Devices		(Res. = 0.5 lb)	⁵ Wt) lb		SJC-001	
Mass, Force, and	Floor Scales	2 lb to 5 000 lb	$(5.77 \text{ x } 10^{-1} + 4.78 \text{ x } 10^{-1})$	Class F Weights	NIST Handbook 44	F, O
Weighing Devices		(Res = 0.5 lb)	³ Wt) lb		SJC-001	
Mass, Force, and	Floor Scales	8 lb to 10 000 lb	$(2.309 2 + 2.73 \times 10^{-1})$	Class F Weights	NIST Handbook 44	F, O
Weighing Devices		(Kes = 2 lb)	^o Wt) lb		SJC-001	ГО
Mass, Force, and	Floor Scales	20 lb to 20 000 lb	$(5.7/3 + 2.23 \times 10^{-1})$	Class F Weights	NIST Handbook 44	F, O
weighing Devices		(Kes = 5 Ib)	wt) lb		SJC-001	



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	Quality of GAUGE	where he is to know where,	AS AN UNCERTAINTY (±)	STANDARDS USED	PROCEDURES USED	
Mass, Force, and	Crane Scale	20 lb to 30 000 lb	$(1.15 + 8.35 \text{ x } 10^{-5} \text{Wt}) \text{ lb}$	Class F Weights	NIST Handbook 44	F, O
Weighing Devices					SJC-001	
Mass, Force, and	Class 1 Scales	0.000 1 g to 350 g	$(2.00 \text{ x}10^{-4} + 5.22 \text{ x}10^{-1})$	ASTM Class 2 Weights	NIST Handbook 44	F, O
Weighing Devices			⁶ Wt) g		SJC-001	
Mechanical	Pressure Gauges	5 psi to 2 500 psi	1.1 psi	Additel 680 10 K Pressure Gauge Fluke 700- G06	SJC-015	F, O
Mechanical	Pressure Gauges	2 500 psi to 5 000 psi	1.2 psi	Additel 680 10 K Pressure Gauge Fluke 700- G06	SJC-015	F, O
Mechanical	Pressure Gauges	5 000 psi to 7 500 psi	1.3 psi	Additel 680 10 K Pressure Gauge	SJC-015	F, O
Mechanical	Pressure Gauges	7 500 psi to 10 000 psi	1.4 psi	Additel 680 10 K Pressure Gauge Fluke 700- G06	SJC-015	F, O
Mechanical	Torque Wrenches	5 lbf•in to 150 lbf•in	1.2 % of reading	CDI -5000	SJC-016	F, O
Mechanical	Torque Wrenches	100 lbf•ft to 600 lbf•ft	1.2 % of reading	CDI -5000	SJC-016	F, O
Mechanical	Equipment to Measure Compression	1.0 lbf to 1 000 lbf	0.66 lbf	Class F Weights	SJC-023	0
Mechanical	Equipment to Measure Compression	1.0 lbf to 1 000 lbf	1.4 lbf.	S-Type Load Cells	SJC-021	0
Mechanical	Equipment to Measure Tension	1.0 lbf to 1 000 lbf	0.66 lbf	Class F Weights	SJC-023	F, O
Mechanical	Equipment to Measure Tension	1 000.5 lbf. to 5 000 lbf	1.2 lbf	Class F Weights	SJC-023	F, O
Mechanical	Equipment to Measure Tension	5 001 lbf. to 10 000 lbf	2.4 lbf	Class F Weights	SJC-023	F, O
Mechanical	Equipment to Measure Tension	1.0 lbf to 1 000 lbf	1.4lbf	S-Type Load Cells	SJC-021	F, O



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Mechanical	Equipment to Measure Tension	1 000.5 lbf. to 5 000 lbf.	2.5 lbf	S-Type Load Cells	SJC-021	F, O
Mechanical	Equipment to Measure Tension	5 001 lbf. to 10 000 lbf.	4.9 lbf	S-Type Load Cells	SJC-021	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	-200 °C to 1 370 °C	0.13 °C	Fluke 724 Thermocouple	SJC-030 & SJC-031	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	-200 °C to 200 °C	0.13 °C	Fluke 724 Thermocouple	SJC-030 & SJC-031	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	200.1 °C to 750 °C	0.14 °C	Fluke 724 Thermocouple	SJC-030 & SJC-031	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	-250 °C to 400 °C	0.13 °C	Fluke 724 Thermocouple	SJC-030 & SJC-031	F, O
Thermodynamic	Digital & Dial Thermometers	33 °C to 300 °C	0.58 °C	Fluke 724 Thermocouple Thermoworks THS-271- 3XX Dry block	SJC-032	F, O
Thermodynamic	Digital & Dial Thermometers	92 °F to 572 °F	1.04 °F	Fluke 724 Thermocouple Thermoworks THS-271- 3XX Dry block	SJC-032	F, O
Thermodynamic	Oven System Accuracy	Up to 1 370 °C	3.1 °C	Fluke 724- probe	SJC -030	F, O



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Accreditation is granted to the facility to perform the following conformity assessment activities:

- 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. Location of activity:

Location	Location
Code	
F	Conformity assessment activity is performed at the CABs fixed facility
0	Conformity assessment activity is performed onsite at the CABs customer
	location

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.