PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

T3 Measurements Inc. dba R & R Scales & Measurements

11840 Classic Ln., Forney, TX 75126

(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):

Dimensional, Mass, Force, and Weighing Devices, Mechanical, and Time & Frequency 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

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
September 20, 2024	September 20, 2024	January 31, 2027

Accreditation No.:	*Certificate No.:*
127010	L24-716

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

T3 Measurements Inc.
dba R & R Scales & Measurements
11840 Classic Ln., Forney, TX 75126
Contact Name: Joshua Herrera Phone: 214-532-8927

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

Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Calipers [FO]	Up to 8 inches	710 µin	Gage Block Set	WI-002
Micrometer [FO]	Up to 1 Inch	140 µin		WI-001
Indicators [FO]		750 µin		WI-003

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Torque [F]	5 lbf. in to 50 lbf. in	1.1 % of Reading	CDI Torque Transducers with Loader	WI-004
	51 lbf. in to 400 lbf. in.	1.1 % of Reading		
	401 lbf. in to 1 000 lbf. in	1.2 % of Reading		
	20 lbf. ft to 250 lbf. ft.	1 % of Reading		
Centrifuges (Rate of rotation) [O]	Up to 1 000 rpm	1.3 rpm	Extech 461920 Tachometer	WI-005
	1 001 rpm to 25 000 rpm	1.4 rpm		

Time & Frequency

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Centrifuge Timers [O]	Up to 30 Minutes	0.04 Seconds	Control Company 6401, 37803-85 Stopwatch	WI-005

Mass, Weighing Devices

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Analytical Balances [O]	Up to 200 grams	$(1.00 \times 10^{-4} + 1.13 \times 10^{-6}wt)$ g	Class 1 Weight Kit	WI-006
Electronic Balances [O]	1 g to 1 000 g	$(1.00 \times 10^{-4} + 5.66 \times 10^{-5}wt)$ g	Class 5 Weight Kit	WI-006 NIST Handbook 44
	1 001 g to 10 kg	$(1.3 + 0 \times 10^{-5}wt)$ g		
Bench Scales [O]	Up to 10 lbs	$(1.20 \times 10^{-3} + 4.72 \times 10^{-5}wt)$ lbs	Class 5 Weight Kit & Class F Weights	
	10 lbs. to 100 lbs	$(1.16 \times 10^{-2} + 4.72 \times 10^{-5}wt)$ lbs		
	101 lbs. to 500 lbs	$(1.16 \times 10^{-1} + 2.80 \times 10^{-5}wt)$ lbs		
Floor Scales [O]	Up to 130 Kg	$(1.00 \times 10^{-4} + 5.72 \times 10^{-5}wt)$ kg	Class 6 Weight Kit	
	Up to 5 000 lbs	$(5.77 \times 10^{-1} + 4.78 \times 10^{-5}wt)$ lbs	Class F Weights	
	5 001 lbs to 10 000 lbs	$(2.31 + 2.73 \times 10^{-5}wt)$ lbs		
Vehicle and Rail Scales [O]	Up to 180 000 lbs	$(23.05 + 4.46 \times 10^{-5}wt)$ lbs	Class F Weights and Weight Cart	NIST Handbook 44

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

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.

4. The presence of a superscript O means that the laboratory performs calibration of the indicated parameter onsite at customer locations.

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

6. 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