



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Joint Matters INC.

22222 Sherman Way, Suite 207, Canoga Park, CA 91303

(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 2017):

Mechanical, Thermodynamic, and Mass 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:

September 2, 2020

Issue Date:

January 26, 2023

Expiration Date:

March 31, 2025

Accreditation No.:

111703

Certificate No.:

L23-61

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.pjilabs.com



Certificate of Accreditation: Supplement

Joint Matters INC.

22222 Sherman Way, Suite 207, Canoga Park, CA 91303
Mr. Jon Mann Phone: 323-573-0946

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
Balances and Analytical Scales ^o	1 mg to 500 mg	0.002 mg	Class 1 Weights JM-SOP-002
	1 g to 200 g	0.018 mg	
	200 g to 1 000 g	0.38 mg	
	1 000 g to 2 000 g	0.80 mg	
	5 000 g	2.4 mg	

Mechanical

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
Pipettes, Dilutors, Dispensers, Repeaters, and Syringes ^o	0.2 μ L to 2.0 μ L	0.008 9 μ L	A & D Balance 4212B-PT Class 1 weights JM-SOP-001
	2.0 μ L to 20 μ L	0.012 μ L	
	20 μ L to 200 μ L	0.044 μ L	
	100 μ L to 1 000 μ L	0.11 μ L	
	1 000 μ L to 2 000 μ L	0.53 μ L	
	2 000 μ L to 10 000 μ L	4.5 μ L	

Thermodynamic

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
Thermocouple Probes (K) ^o	-100 $^{\circ}$ C to 0 $^{\circ}$ C	0.4 $^{\circ}$ C	Omega HH806AW JM-SOP-003
	0 $^{\circ}$ C to 200 $^{\circ}$ C	0.5 $^{\circ}$ C	
	200 $^{\circ}$ C to 800 $^{\circ}$ C	0.8 $^{\circ}$ C	
	800 $^{\circ}$ C to 1 350 $^{\circ}$ C	1.1 C	

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.



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

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 O means that the laboratory performs calibration of the indicated parameter at onsite customer locations. Example: Outside Micrometer^O would mean that the laboratory performs this calibration at its fixed location.

