PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Cech Corporation

3984 Cabaret Trail West, Saginaw, MI 48603

(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 Weighing Devices

(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:*
February 07, 2011	August 29, 2023	September 30, 2025

Accreditation No:	*Certificate No:*
69792	L23-646

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

Cech Corporation

3984 Cabaret Trail West, Saginaw, MI 48603
Contact Name: Ms. Hilde McDonald Phone: 989-792-8111

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 (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Analytical and Lab Balances [FO]	0.001 g to 2 000 g	$(1.29 \times 10^{-03} + 2.31 \times 10^{-06}$ Wt) g	ASTM E898 Class 1 Weights
	0.01 g to 5 000 g	$(1.29 \times 10^{-02} + 1.29 \times 10^{-06}$ Wt) g	
Electronic Top Loaders and Lab Scales [FO]	0.005 g to 500 g	$(6.45 \times 10^{-03} + 1.03 \times 10^{-04}$ Wt) g	NIST 44 Handbook Class F Weights
	0.05 g to 5 000 g	$(6.45 \times 10^{-02} + 1.03 \times 10^{-04}$ Wt) g	
	0.5 g to 50 000 g	$(6.45 \times 10^{-01} + 1.03 \times 10^{-04}$ Wt) g	
Bench, Counting, Checkweigher Scales [FO]	0.001 lb to 10 lb	$(1.29 \times 10^{03} + 4.41 \times 10^{-05}$ Wt) lb	
	0.01 lb to 100 lb	$(1.29 \times 10^{-02} + 4.41 \times 10^{-05}$ Wt) lb	
	0.1 lb to 1 000 lb	$(1.29 \times 10^{-01} + 4.41 \times 10^{-05}$ Wt) lb	
	0.05 kg to 500 kg	$(6.45 \times 10^{-02} + 4.41 \times 10^{-05}$ Wt) kg	
Floor, Pancake, Tank/Hopper, Dial and Beam, Crane, Lift truck [FO]	1 lb to 10 000 lb	$(1.29 + 7.91 \times 10^{-05}$ Wt) lb	
	0.5 kg to 5 000 kg	$(6.45 \times 10^{-01} + 4.41 \times 10^{-05}$ Wt) kg	
	2 lb to 20 000 lb	$(2.58 + 1.60 \times 10^{-04}$ Wt) lb	
Vehicle, Tank/Hopper [FO]	20 lb to 200 000 lb	$(25.8 + 4.41 \times 10^{-05}$ Wt) lb	
	50 lb to 400 000 lb	$(64.5 + 3.71 \times 10^{-05}$ Wt) lb	
Railroad Scales [FO]	50 lb to 400 000 lb	$(64.5 + 3.71 \times 10^{-05}$ Wt) lb	
Flow meters and flow devices [FO]	2.5 lb/min to 2 500 lb/min (1.1 kg/min to 1 100 kg/min)	$(0.143 + 5.59 \times 10^{-04}$ Wt) gal/min	Gravimetric Calibration Class F weights NIST HB 44 Sections 3.35 to 3.37
	0.3 gal/min to 300 gal/min (1.1 l/min to 1 100 l/min)		
	5 lb/min to 5 000 lb/min (2.3 kg/min to 2 300 kg/min)	$(0.286 + 5.60 \times 10^{-04}$ Wt) gal/min)	
	0.6 gal/min to 600 gal/min (2.3 l/min to 2 300 l/min)		
	130 lb/min to 25 000 lb/min (57 kg/min to 11 000 kg/min)	$(2.82 + 2.73 \times 10^{-04}$ Wt) gal/min)	
	15 gal/min to 3 000 gal/min (57 l/min to 11 000 l/min)		
	310 lb/min to 50 000 lb/min (140 kg/min to 23 000 kg/min)	$(7.07 + 2.70 \times 10^{-04}$ Wt) gal/min)	
	38 gal/min to 6 000 gal/min (140 l/min to 23 000 l/min)		

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.

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