PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

HYTORC, Division UNEX Corp

UNEX/HYTORC, 333 Route 17 North, Mahwah, NJ 07430
HYTORC, 100 Wesley Street, and 71 Schrieffer St., South Hackensack, NJ 07606
HYTORC, 11501 Columbia Park Drive West, Suite 204, Jacksonville, FL 32258
HYTORC, 1901 S Vineyard Ave, Ontario, CA 91761
HYTORC, 5915 4th Street SW, Unit 101, Cedar Rapids, IA 52404
HYTORC, 4250 Salazar Way, Unit J, Frederick, CO 80504

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:

Calibration of Mechanical Devices
(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:

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 18, 2010	March 31, 2025	March 31, 2027

Accreditation No.:	*Certificate No.:*
66167	L25-250

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

HYTORC, Division UNEX Corp

See page 1 for all locations associated with this supplement.
Contact Name: Christopher Frie Phone: 201-512-9500

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

HYTORC, 100 Wesley Street and 71 Schrieffer St. South Hackensack, NJ 07606

FIELD OF CALIBRATION	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	LOCATION OF ACTIVITY
Mechanical	Pressure Gage	>0 psi to 100 psi	0.3 % of reading	Crystal Engineering Gauge Model 300PSIXP2I	HY-WI-03-007	F
Mechanical	Pressure Gage	>0 psi to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10 KPT Display TSD6500	HWI 303	F
Mechanical	Pressure Gage	27 psi to 3 000 psi	0.3 % of reading	Fluke Electric Dead Weight Tester RPM4-E-DWT A200Me-L with E-DWT	HWI 329	F
Mechanical	Pressure Gage	3 000 psi to 30 000 psi	0.29 % of reading	Fluke Electric Dead Weight Tester RPM4-E-DWT A200Me-L with E-DWT	HWI 329	F
Mechanical	Hydraulic Torque Wrench	Up to 40 000 lbf·ft	0.6 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011, TSD20011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 319	F
Mechanical	Pneumatic Torque Wrench	Up to 2 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD2011, TSD1011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 333	F
Mechanical	Pneumatic Torque Wrench	Up to 1 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD2011, TSD1011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 333	F
Mechanical	Pneumatic Torque Wrench	Up to 10 000 lbf·ft	2.1 % of reading	Honeywell 1607-126 Torque Transducer; Omega Pressure Transducer PX319-200GS5V	HWI 342, HWI 330	F

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Mechanical	Electric Torque Wrench	Up to 10 000 lbf·ft	1.8 % of reading	Honeywell 1607-126 Torque Transducer	HDOC-013 HWI 334	F
Mechanical	Electric Torque Wrench	Up to 2 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD2011, TSD1011 Display TSD6500	HWI 339	F
Mechanical	Electric Torque Wrench	Up to 1 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD2011, TSD1011 Display TSD6500	HWI 339	F
Mechanical	Manual Torque Wrench	Up to 600 lbf·ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02 Display 5000-ST	ASME B107.300 HWI 328	F
Mechanical	Manual Torque Wrench	600 lbf·ft to 1 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, TSD2011, TSD1011	ASME B107.300 HWI 328	F

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

11501 Columbia Drive West, Suite 204, Jacksonville, FL 32258 Van # 37 #50, #64, #66, #70, #71, #75, #78, #88, #89, #93 & #96

FIELD OF CALIBRATION	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	LOCATION OF ACTIVITY
Mechanical	Pressure Gage	> 0 psi to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03-007	F, O, M
Mechanical	Pressure Gage	> 0 psi to 500 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 500PSIXP2I	HWI 302	F, O, M
Mechanical	Pressure Gage	> 0 psi to 10 000 psi	0.1 % of reading	Crystal Engineering Pressure Calibrator 10KPSIXP2I	HWI 302	F, O, M
Mechanical	Pressure Gage	> 0 psi to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT Display TSD6500	HWI 303	F, O, M
Mechanical	Hydraulic Torque Wrench	Up to 40 000 lbf·ft	0.6 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011, TSD20011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 319	F
Mechanical	Hydraulic Torque Wrench	Up to 20 000 lbf·ft	0.6 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 319	F, O, M
Mechanical	Manual Torque Wrench	Up to 600 lbf·ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02 Display 5000-ST	ASME B107.300 HWI 328	F, O, M
Mechanical	Manual Torque Wrench	601 lbf-ft to 1 000 lbf-ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500	ASME B107.300 HWI 328	F
Mechanical	Pneumatic Torque Wrench	Up to 8 500 lbf·ft	1.1 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500, 0-100 psi Pressure Gauge	HWI 333, HWI 345	F, O, M
Mechanical	Electric Torque Wrench	Up to 8 500 lbf·ft	1 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500	HWI 339 HDOC-013	F, O, M
Mechanical	Torque Multiplier	I/P 25 lbf·ft to 250 lbf·ft O/P 2000 lbf·ft to 20 000 lbf·ft	1.3 % of reading	Snap-On Electronic Torque Instrument TECH3FR250 AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 332	O, M

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HYTORC, Division UNEX Corp

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Contact Name: Christopher Frie Phone: 201-512-9500

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

1901 S Vineyard Ave, Ontario, CA 91761 Van #39, #52, #61, #81, #83, #90, #92, #95 & #97

FIELD OF CALIBRATION	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	LOCATION OF ACTIVITY
Mechanical	Pressure Gage	>0 psi to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03- 007	F, O, M
Mechanical	Pressure Gage	>0 psi to 500 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 500PSIXP2I	HWI 302	F, O, M
Mechanical	Pressure Gage	>0 psi to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10 KPT Display TSD6500	HWI 303	F, O, M
Mechanical	Pressure Gage	>0 psi to 10 000 psi	0.1 % of reading	Crystal Engineering Pressure Calibrator 10KPSIXP2I	HWI 302	F, O, M
Mechanical	Pressure Gage	27 psi to 3 000 psi	0.3 % of reading	Fluke Electric Dead Weight Tester RPM4-E-DWT A200Me-L with E-DWT	HWI 329	F
Mechanical	Pressure Gage	3 001 psi to 30 000 psi	0.29 % of reading	Fluke Electric Dead Weight Tester RPM4-E-DWT A200Me-L with E-DWT	HWI 329	F
Mechanical	Hydraulic Torque Wrench	Up to 40 000 lbf·ft	0.9 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011 Pressure Transducer TSD 10KPT. Display TSD6500	HWI 319	F
Mechanical	Hydraulic Torque Wrench	Up to 20 000 lbf·ft	0.6 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, TSD1011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 319	F, O, M
Mechanical	Manual Torque Wrench	Up to 600 lbf·ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02 Display 5000-ST	ASME B107.300 HWI 328	F, O, M

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FIELD OF CALIBRATION	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	LOCATION OF ACTIVITY
Mechanical	Manual Torque Wrench	601 lbf·ft to 1 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	ASME B107.300 HWI 328	F
Mechanical	Pneumatic Torque Wrench	Up to 8 500 lbf·ft	0.72 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500 0-100 psi Pressure Gauge	HWI 333, HWI 345	F, O, M
Mechanical	Electric Torque Wrench	Up to 8 500 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, TSD1011 Display TSD6500	HWI 339 HDOC-013	F, O, M
Mechanical	Torque Multiplier	I/P 25 lbf·ft to 250 lbf·ft O/P 2000 lbf·ft to 20 000 lbf·ft 000 lbf·ft	1 % of reading	Snap-On Electronic Torque Instrument TECH3FR250 AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 332	O, M
Mechanical	Torque Transducer	10 lbf·ft to 1 000 lbf·ft	1.1 % of reading	TSD6500-3, TSD1011, TSD 10KPT	HWI 319	F
Mechanical	Torque Transducer	200 lbf·ft to 20 000 lbf·ft	1.2 % of reading	TSD6500-3, TSD20011, TSD 10KPT	HWI 319	F
Mechanical	Torque Transducer	500 lbf·ft to 40 000 lbf·ft	1.6 % of reading	TSD6500-3, TSD40011, TSD 10KPT	HWI 319	F

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5915 4th Street, Unit 101, Cedar Rapids, IA 52404 Van # 55, #58, #59, #60, #65, #72, #80, #94 & #99

FIELD OF CALIBRATION	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	LOCATION OF ACTIVITY
Mechanical	Pressure Gage	> 0 psi to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03-007	F, O, M
Mechanical	Pressure Gage	> 0 psi to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT	HWI 303	F, O, M
Mechanical	Hydraulic Torque Wrench	Up to 40 000 lbf·ft	0.5 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 319	F
Mechanical	Hydraulic Torque Wrench	Up to 20 000 lbf·ft	0.5 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 319	F, O, M
Mechanical	Manual Torque Wrench	Up to 600 lbf·ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02 Display 5000-ST	HWI 328	F, O, M
Mechanical	Manual Torque Wrench	601 lbf-ft to 1 000 lbf- ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	ASME B107.300 HWI 328	F
Mechanical	Pneumatic Torque Wrench	Up to 8 500 lbf·ft	1.3 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500 0-100 psi Pressure Gauge	HWI 333, HWI 345	F, O, M
Mechanical	Electric Torque Wrench	Up to 8 500 lbf·ft	1.5 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 339 HDOC-013	F, O, M
Mechanical	Torque Multiplier	I/P 25 lbf·ft to 250 lbf·ft O/P 2000 lbf·ft to 20 000 lbf·ft	1.1 % of reading	Snap-On Electronic Torque Instrument TECH3FR250 AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 332	O, M

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

4250 Salazar Way, Unit J, Frederick, CO 80504 Van #26, #46, #56, #76, #79, # 85 & #98

FIELD OF CALIBRATION	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	LOCATION OF ACTIVITY
Mechanical	Pressure Gage	> 0 psi to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03-007	F, O, M
Mechanical	Pressure Gage	> 0 psi to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT Display TSD6500	HWI 303	F, O, M
Mechanical	Pressure Gage	> 0 psi to 40 000 psi	0.3% of reading	ADT 949 Pressure Generator	HY-WI-03-019	F, O, M
Mechanical	Hydraulic Torque Wrench	Up to 20 000 lbf·ft	0.5 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Pressure Transducer TSD 10KPT Display TSD6500	HWI 319	F, O, M
Mechanical	Manual Torque Wrench	Up to 600 lbf·ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02 Display 5000-ST	HWI 328	F, O, M
Mechanical	Manual Torque Wrench	601 to 1 000 lbf-ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	ASME B107.300 HWI 328	F
Mechanical	Pneumatic Torque Wrench	Up to 8 500 lbf·ft	0.7 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500 0-100 psi Pressure Gauge	HWI 333, HWI 345	F, O, M
Mechanical	Electric Torque Wrench	Up to 8 500 lbf·ft	1.7 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 339 HDOC-013	F, O, M
Mechanical	Torque Multiplier (Input)	I/P 25 lbf·ft to 250 lbf·ft O/P 2000 lbf·ft to 20 000 lbf·ft	1 % of reading	Snap-On Electronic Torque Instrument TECH3FR250 AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 332	O, M

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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 Code	Location
F	Conformity assessment activity is performed at the CABs fixed facility
O	Conformity assessment activity is performed onsite at the CABs customer location
M	Conformity assessment activity is performed from a mobile facility

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.
6. The main office is located at 333 Route 17 North, Mahwah, NJ 07430. This facility does not perform any calibration