



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

HYTORC, Division UNEX Corp

UNEX/HYTORC, 333 Route 17 North, Mahwah, NJ 07430

HYTORC, 100 Wesley Street, South Hackensack, NJ 07606

HYTORC, 4118 Vine St., Abilene, TX 79602

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

(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 Mechanical 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

Initial Accreditation Date:

September 18, 2010

Issue Date:

January 04, 2023

Expiration Date:

March 31, 2025

Revision Date:

June 26, 2024

Accreditation No.:

66167

Certificate No.:

L23-8-R2

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

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: Pietro Barcia Phone: 201-512-9500

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

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

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Pressure Gage ^F	Up to 100 psi	0.3 % of reading	Crystal Engineering Gauge Model 300PSIXP2I	HY-WI-03-007
	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10 KPT Display TSD6500	HWI 303
	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
	3 001 psi to 30 000 psi	0.29 % of reading		
Hydraulic Torque Wrench ^F	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
Pneumatic Torque Wrench ^F	Up to 10 000 lbf·ft	2.1 % of reading	Honeywell 1607-126 Torque Transducer; Omega Pressure Transducer PX319-200GS5V	HWI 342, 330
	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
	Up to 1 000 lbf·ft	1.2 % of reading		
Electric Torque Wrench ^F	Up to 10 000 lbf·ft	1.8 % of reading	Honeywell 1607-126 Torque Transducer	HWI 334
	Up to 2 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD2011, TSD1011 Display TSD6500	HWI 333
	Up to 1 000 lbf·ft	1.2 % of reading		
Manual Torque Wrench ^F	601 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
	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	



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 Contact Name: Pietro Barcia Phone: 201-512-9500

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

HYTORC, 4118 Vine St., Abilene, TX 79602

Van #38, #55, #62, #74, #85, #87, & #88

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Pressure Gage ^{FO}	Up to 100 psi	0.3 % of reading	Crystal Engineering, 300PSIXP2I,	HY-WI-03-007
	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10 KPT Display TSD6500	HWI 303
Pressure Gage ^F	27 psi to 3 000 psi	0.3 % of reading	Fluke Electric Dead Weight Tester RPM4-E-DWT	HWI 329
	3 001 psi to 30 000 psi	0.29 % of reading	A200Me-L with E-DWT	
Pressure Gage ^{FO}	Up to 40 000 psi	0.3% of reading	ADT 949 Pressure Generator	HY-WI-03-019
Hydraulic Torque Wrench ^F	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
Hydraulic Torque Wrench ^{FO}	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
Manual Torque Wrench ^{FO}	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
Manual Torque Wrench ^F	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
Pneumatic Torque Wrench ^{FO}	Up to 8 500 lbf·ft	1.4 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500 0-100 psi Pressure Gauge	HWI 333, 345
Electric Torque Wrench ^{FO}	Up to 8 500 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 339
Torque Multiplier ^{FO}	Input: 25 lbf·ft to 250 lbf·ft	1.5 % of reading	Snap-On Electronic Torque Instrument TECH3FR250	HWI 332
	Output: 103 lbf·ft to 20 000 lbf·ft		AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	



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

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

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Pressure Gage ^{FO}	Up to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03-007
	Up to 500 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 500PSIXP2I	HWI 302
	Up to 10 000 psi	0.1 % of reading	Crystal Engineering Pressure Calibrator 10KPSIXP2I	
		0.3 % of reading	AKO Pressure Transducer TSD 10KPT Display TSD6500	HWI 303
Hydraulic Torque Wrench ^F	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
Hydraulic Torque Wrench ^{FO}	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
Manual Torque Wrench ^{FO}	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
Manual Torque Wrench ^F	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	
Manual Torque Wrench ^O	601 lbf·ft to 1 000 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD 2011 Display TSD6500 ASME B107.300	
Pneumatic Torque Wrench ^{FO}	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, 345
Electric Torque Wrench ^{FO}	Up to 8 500 lbf·ft	1 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 339
Torque Multiplier ^{FO}	Input: 25 lbf·ft to 250 lbf·ft	1.3 % of reading	Snap-On Electronic Torque Instrument TECH3FR250	HWI 332
	Output: 35 lbf·ft to 20 000 lbf·ft		AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	



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Accreditation is granted to the facility to perform the following testing:
HYTORC, 1901 S Vineyard Ave, Ontario, CA 91761
Van #37, #39, #52, #61, #81, #83, #90, #92, #95 & #97

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
Pressure Gage ^{FO}	Up to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03-007
	Up to 500 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 500PSIXP2I	HWI 302
	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10 KPT Display TSD6500	HWI 303
		0.1 % of reading	Crystal Engineering Pressure Calibrator 10KPSIXP2I	HWI 302
Pressure Gage ^F	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
	3 001 psi to 30 000 psi	0.29 % of reading		
Hydraulic Torque Wrench ^F	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
Hydraulic Torque Wrench ^{FO}	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
Manual Torque Wrench ^{FO}	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
Manual Torque Wrench ^F	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	
Pneumatic Torque Wrench ^{FO}	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, 345
Electric Torque Wrench ^{FO}	Up to 8 500 lbf·ft	1.2 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, TSD1011 Display TSD6500	HWI 339
Torque Multiplier ^{FO}	Input: 25 lbf·ft to 250 lbf·ft	1 % of reading	Snap-On Electronic Torque Instrument TECH3FR250	HWI 332
	Output: 33 lbf·ft to 20 000 lbf·ft		AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	
Torque Transducer ^{FO}	10 lbf·ft to 1 000 lbf·ft	1.1 % of reading	TSD6500-3, TSD1011, TSD 10KPT,	HWI 319
	200 lbf·ft to 20 000 lbf·ft	1.2 % of reading	TSD6500-3, TSD20011, TSD 10KPT,	
Torque Transducer ^{FO}	500 lbf·ft to 40 000 lbf·ft	1.6 % of reading	TSD6500-3, TSD40011, TSD 10KPT,	



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 Contact Name: Pietro Barcia Phone: 201-512-9500

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

HYTORC, 5915 4th Street, Unit 101, Cedar Rapids, IA 52404

Van #58, #59, #60, #65, #72, #80, #94 & #99

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Pressure Gage ^{FO}	Up to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03-007
	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT Display TSD6500	HWI 303
Hydraulic Torque Wrench ^F	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
Hydraulic Torque Wrench ^{FO}	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
Manual Torque Wrench ^{FO}	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
Manual Torque Wrench ^F	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
Pneumatic Torque Wrench ^{FO}	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, 345
Electric Torque Wrench ^{FO}	Up to 8 500 lbf·ft	1.5 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 339
Torque Multiplier ^O	Input: 25 lbf·ft to 250 lbf·ft	1.1 % of reading	Snap-On Electronic Torque Instrument TECH3FR250	HWI 332
	Output: 43 lbf·ft to 20 000 lbf·ft		AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	



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 Contact Name: Pietro Barcia Phone: 201-512-9500

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

HYTORC, 4250 Salazar Way Unit J, Frederick, CO 80504

Van #26, #46, #56, #76, #79 & #98

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
Pressure Gage ^{FO}	Up to 100 psi	0.3 % of reading	Crystal Engineering Pressure Calibrator 300PSIXP2I	HY-WI-03-007
	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT Display TSD6500	HWI 303
	Up to 40 000 psi	0.3% of reading	ADT 949 Pressure Generator	HY-WI-03-019
Hydraulic Torque Wrench ^{FO}	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
Manual Torque Wrench ^{FO}	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
Manual Torque Wrench ^F	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
Pneumatic Torque Wrench ^{FO}	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, 345
Electric Torque Wrench ^{FO}	Up to 8 500 lbf·ft	1.7 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	HWI 339
Torque Multiplier ^{FO}	Input: 25 lbf·ft to 250 lbf·ft	1 % of reading	Snap-On Electronic Torque Instrument TECH3FR250	HWI 332
	Output: 34 lbf·ft to 20 000 lbf·ft		AKO Torque Master Calibration System: Torque Transducer TSD20011 Display TSD6500	



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

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