PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418

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:

Dimensional, Mass, Force, and Weighing Devices, and Mechanical Calibration

(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:*
October 01, 2015	March 04, 2026	April 30, 2028

Accreditation No.:	*Certificate No.:*
85517	L26-194

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

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Micrometers	0.1 in to 12 in	(53 + 4.7L) µin	Gage Blocks	ASME B89.1.13, WI-048	F1, F2, F3	F, O
Dimensional	Micrometers	12 in to 24 in	(76 + 1.1L) µin	Gage Blocks	ASME B89.1.13, WI-048	F1, F2, F3	F, O
Dimensional	Depth Micrometers	0.001 in to 12 in	(290 + 2.5L) µin	Gage Blocks	ASME B89.1.13, WI-047	F1, F2, F3	F, O
Dimensional	Calipers	0.1 in to 12 in	(290 + 1.0L) µin	Gage Blocks	ASME B89.1.14 WI-002, WI-007 GGG-C-111c	F1, F2, F3	F, O
Dimensional	Calipers	12 in to 20 in	(310 + 0.4L) µin	Gage Blocks	ASME B89.1.14 WI-002 WI-007 GGG-C-111c	F1, F2, F3	F, O
Dimensional	Calipers	20 in to 80 in	(260 + 2.0L) µin	Gage Blocks	ASME B89.1.14 WI-002 WI-007 GGG-C-111c	F1, F2, F3	F, O
Dimensional	Precision Indicators	0.000 02 in to 0.002 in	(14 + 349L) µin	Gage Blocks	ASME B89.1.10-M, WI-046	F1, F2, F3	F, O
Dimensional	4 Inch, Indicators	0.000 1 in to 4 in	(58+5.3L) µin	Gage Blocks	ASME B89.1.10-M, WI-046	F1, F2, F3	F, O
Dimensional	0.5 Inch, Indicators	0.000 1 in to 0.5 in	(33 + 0.08L) µin	Gage Blocks	ASME B89.1.10-M, WI-046	F1, F2, F3	F, O
Dimensional	1 Inch, Indicators	0.000 05 in to 1 in	(30 + 4.9L) uin	Gage Blocks	ASME B89.1.10-M, WI-046	F1, F2, F3	F, O
Dimensional	Optical/ Video Measuring Systems (Scales)	0.1 in to 12 in	(94 + 1.2L) µin	Glass Master, Glass Scale	WI-013	F1, F3	F, O
Dimensional	Optical/ Video Measuring Systems (Magnification)	10 X to 250 X	180 µin	Glass Master, Glass Scale	WI-013	F1, F3	F, O

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Optical/ Video Measuring Systems (Squareness)	0.1 in to 4 in	20 µin/in	Glass Master, Glass Scale	WI-013	F1, F3	F, O
Dimensional	Optical/ Video Measuring Systems (Angularity)	0° to 90°	0.03°	Glass Master, Glass Scale	WI-013	F1, F3	F, O
Dimensional	Surface Plates (Flatness)	6 in x 6 in to 20 ft x 20 ft	(28 + 0.4L) µin	Electronic Level,	ASME B89.3.7, WI-014	F1, F2, F3	O
Dimensional	Surface Plates (Repeat Reading)	0.002 in	26 µin	Repeat-O-Meter	ASME B89.3.7, WI-014	F1, F2, F3	O
Dimensional	Linear Measuring Machine	0.1 in to 84 in	(93 + 8L) µin	Long Blocks	WI-011	F1, F3	O
Dimensional	Linear Measuring Machine (Digital Read Out)	0.1 in to 48 in	(83 + 12L) µin	Indicator, Step Master	WI-012	F1, F3	F, O
Dimensional	Precision Levels	4 into 15 in	(190 – 2.6L) µin/ft	Surface Plate	WI-049 GGG-L-211D, A-A 50685	F1, F2, F3	F, O
Dimensional	Protractors	0.1° to 90°	(0.06 + 0.000 02A)°	Angle Blocks, Surface Plate	WI-028 AA-3084, AA-3085	F1, F2, F3	F, O
Dimensional	Pin/Plug Gages	0.001 in to 7 in	(19 + 2.4L) µin	Gage Blocks, Bench Mic, Indicator,	ASME B89.1.5	F1, F2	F, O
Dimensional	Thread Gages (Pitch Diameter)	0.1 in to 4 in	(74 + 2.6L) µin	Bench Micrometer Thread Wire Gage Blocks, opt comp	ASME B1.2 ASME B1.16M WI A - 1,2,3,4,5,6,7	F1, F2, F3	F, O
Dimensional	Thread Gages (Major Diameter)	0.1 in to 4 in	(46 + 3.9L) µin	Bench Micrometer Thread Wire Gage Blocks, opt comp	ASME B1.2 ASME B1.16M WI A - 1,2,3,4,5,6,7	F1, F2, F3	F, O
Dimensional	Extensometer	0.001 in to .25 in	(110 + 49L) µin	Extensometer Calibrator	ASTM E4 WI-16	F1, F2, F3	F, O

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Length Standards/ End Measuring Rods	0.5 in to 60 in	(13 + 4L) µin	Indicator Gage Blocks	B89.1.13-2013	F1, F2	F, O
Dimensional	Height Gages	0.000 5 in to 40 in	(400 + 0.6L) µin	Gage Blocks, Step Master	WI-008 GGG-C-111c	F1, F2, F3	F, O
Dimensional	Amplifier Indicator	0.000 1 in to 0.004 in	14 µin	Gage Blocks	B89.1.10-M, WI-046	F1, F2, F3	F, O
Dimensional	Roundness Tester (Magnification)	450 µin	6 µin	Flick Master, Gage Blocks	ASME B89.3.1, WI-010	F1, F2, F3	F, O
Dimensional	Roundness Tester (Radial Error)	1 µin to 40 000 µin	3.4 µin	Precision Ball,	ASME B89.3.1, WI-010	F1, F2, F3	F, O
Dimensional	Surface Roughness Tester (Magnification) (Ra)	120 µin	3.6 µin	Roughness Master,	ASME B46.1 WI-026	F1, F2, F3	F, O
Dimensional	Surface Roughness Tester (Straightness)	4 in	5.6 µin	Optical Flat	ASME B46.1 WI-026	F1, F2, F3	F, O
Dimensional	Contour Tester (Magnification)	4 in	26 µin	Contour Master	WI-030	F1, F3	F, O
Dimensional	Contour Tester (Straightness)	8 in	6.6 µin	Optical Flat	WI-030	F1, F3	F, O
Dimensional	Angle Plate (Squareness)	3 in to 12 in	(79 + 17L) µin/in	Cylindrical Square Gage Blocks	GGG-P-441a	F1, F2	F, O
Dimensional	Angle Plate (Parallelism)	0.000 1 in to 0.010 in	(73 + 5.8L) µin/in	Indicator	GGG-P-441a	F1, F2	F, O
Dimensional	Square	2 in to 12 in	(79 + 17L) µin/in	Cylindrical Square, Gage Blocks	WI-037 GGG-S-656d	F1, F2, F3	F, O
Dimensional	Radius Gage	0.005 in to 2 in	0.000 15 in	Video Inspection	WI-040 GGG-G-791h	F1, F2, F3	F
Dimensional	Rules	6 in to 48 in	(140 + 7.6L) µin	Video Inspection	WI-040 GGG-G-791h	F1, F2, F3	F

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Stage Micrometer	0.02 mm to 10 mm	3.5 µm	Video Inspection	WI-040 GGG-G-791h	F1, F2, F3	F
Dimensional	Angle	1° to 90°	0.004°	Video Inspection	WI-040 GGG-G-791h	F1, F2, F3	F
Dimensional	Roughness Standard (Ra)	10 µin to 250 µin	3.9 µin	Profilometer	ANSI B46.1 WI-032	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Tension/Compression Tester	1 ozf to 50 lbf	0.1 ozf + 1 % of reading	Class 6 Weights Class 7 Weights Load Cells	ASTM E4 WI-015	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Tension/Compression Tester	50 lbf to 500 lbf	1 % of reading	Class 6 Weights Class 7 Weights Load Cells	ASTM E4 WI-015	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Tension/Compression Tester	500 lbf to 5 000 lbf	1 % of reading	Class 6 Weights Class 7 Weights Load Cells	ASTM E4 WI-015	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Tension/Compression Tester	5 000 lbf to 30 000 lbf	1 % of reading	Class 6 Weights Class 7 Weights Load Cells	ASTM E4 WI-015	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Tension/Compression Tester	30 000 lbf to 100 000 lbf	1 % of reading	Class 6 Weights Class 7 Weights Load Cells	ASTM E4 WI-015	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Force Gage	1 lbf to 100 lbf	0.12 lbf	Class 6 & 7 Weights	ASTM E4 WI-033	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Scales	0.5 g to 5,000 g	(0.001 + 0.000 54Wt) g	Class 5 weights	NIST Handbook 44 WI-042 NISTIR 6919	F1, F2, F3	O
Mass, Force, and Weighing Devices	Scales	0.1 lb to 1,000 lb.	(0.012 + 0.000 52Wt) lb	Class 5 weights	NIST Handbook 44 WI-042 NISTIR 6919	F1, F2, F3	O

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Brinell Scopes	0.1 mm to 7 mm	0.07 mm	Stage Micrometer	ASTM E10 WI-025	F1, F2, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRA)	> 80 HRA	0.23 HRA	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRA)	60 HRA to 80 HRA	0.32 HRA	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRA)	< 60 HRA	0.31 HRA	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRBW)	> 80 HRBW	0.52 HRBW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRBW)	60 HRBW to 80 HRBW	0.35 HRBW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRBW)	< 60 HRBW	0.4 HRBW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRC)	> 60 HRC	0.3 HRC	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRC)	40 HRC to 60 HRC	0.31 HRC	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HRC)	< 40 HRC	0.33 HRC	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR15N)	≥ 90 HR15N	0.3 HR15N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR15N)	80 HR15N to 90 HR15N	0.33 HR15N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR15N)	< 80 HR15N	0.4 HR15N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR30N)	≥ 79 HR30N	0.28 HR30N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR30N)	60 HR30N to 79 HR30N	0.34 HR30N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR30N)	≤ 60 HR30N	0.44 HR30N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR45N)	≥ 65 HR45N	0.25 HR45N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR45N)	50 HR45N to 65 HR45N	0.48 HR45N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR45N)	≤ 50 HR45N	0.48 HR45N	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR30TW)	≥ 70 HR30TW	0.38 HR30TW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR30TW)	50 HR30TW to 70 HR30TW	0.44 HR30TW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR30TW)	≤ 55 HR30TW	0.48 HR30TW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR45TW)	≥ 50 HR45TW	0.48 HR45TW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR45TW)	25 HR45TW to 50 HR45TW	0.53 HR45TW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness and Rockwell Superficial Hardness Testers (HR45TW)	≤ 25 HR45TW	0.52 HR45TW	Test Blocks	ASTM-E-18 EURAMET cg-16	F1, F2	O
Mechanical	Indirect Verification of Brinell Hardness Testers	2.5 mm to 4.8 mm	0.09 mm	Test Blocks, Brinell Scope	ASTM E-10 WI-018	F1, F2, F3	O
Mechanical	Indirect Verification of Knoop and Vickers Hardness Tester (HV) (≤ 1 kgf)	100 HV to 800 HV	10 HV	Test Blocks	ASTM E384 WI-041	F1, F2, F3	O
Mechanical	Indirect Verification of Knoop and Vickers Hardness Tester (HK) (≤ 1 kgf)	100 HK to 650 HK	12 HK	Test Blocks	ASTM E384 WI-041	F1, F2, F3	O

Certificate of Accreditation: Supplement

Solve Metrology

3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Indirect Verification of Knoop and Vickers Hardness Tester (HK) (≤ 1 kgf)	> 650 HK	8.4 HK	Test Blocks	ASTM E384 WI-041	F1, F2, F3	O
Mechanical	Indirect Verification Vickers Hardness Tester (HV) (≥ 1 kgf)	100 HV to 800 HV	8.8 HV	Test Blocks	ASTM E384 WI-041	F1, F2, F3	O
Mechanical	Torque Wrench	25 lbf•ft to 250 lbf•ft	(0.49 + 0.004T) lbf•ft	Torque calibrator	EURAMET cg-14 ASME B107.300	F1, F2	F, O
Mechanical	Torque Wrench	30 lbf•in to 300 lbf•in	0.87 lbf•in	Torque calibrator	EURAMET cg-14 ASME B107.300	F1, F2	F, O

Certificate of Accreditation: Supplement

Solve Metrology
3086 Dixie Ave SW Suite D, Grandville, MI 49418
Contact Name: Curtis Kopko Phone: 616-481-5935

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

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 L represents length in inches or millimeters as appropriate to the uncertainty statement.