CLAS Certificate Number 2003-05

From: National Research Council Canada

Company name	**Mitutoyo Canada Inc. Calibration Laboratory**
Company address	2121 Meadowvale Mississauga, Ontario L5N 5N1
Contact	**Fritz Jordaan** **Telephone:** 905-821-1261 **Fax:** 905-821-4968 **Email:** Fritz.Jordaan@mitutoyo.ca
Clients served	• All interested parties • On-site calibration services are available for the capabilities for which it is indicated in the remarks column.
Fields of calibration	• Dimensional • Mechanical
SCC accreditation (ISO/IEC 17025)	• Accredited Laboratory N° 503 • First issued 2003-10-07 • Issue 8.0e 2018-07-06

This scope of calibration capabilities is published by the CLAS program of the National Research Council of Canada (NRC) in close co-operation with the laboratory accreditation program of the Standards Council of Canada (SCC), Canada's accreditation body for calibration and testing laboratories. The SCC accredits the capability of the named laboratory for being able to perform the listed calibrations at the given Calibration Measurement Capability (see Supplementary **note C** and **note D**) with traceability to the International System of Units (SI) or to standards acceptable to the CLAS program.

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Gauge block CLTM-7 See note [1]			
Steel, length			
Inch, up to 4 inches	(1.6 + 0.8 L) µinch (L in inches) or 2 µinch, whichever greater	I	Using automatic comparator

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Metric, up to 100 mm	(0.041+ 0.0008 L) µm (L in mm) or 0.05 µm, whichever greater		Using automatic comparator
Inch, up to 1 inch	(4 + 0.7 L) µinch (L in inches)		Using manual comparator; direct comparison
Metric, up to 25 mm	(0.11+ 0.0007 L) µm (L in mm)		Using manual comparator; direct comparison
Inch, up to 1 inch	(7+ 0.7 L) µinch (L in inches)		Using manual comparator; wide-range
Metric, up to 25 mm	(0.18+ 0.0007 L) µm (L in mm)		Using manual comparator; wide-range

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Inch, 1 to 10 inches	(5 + 5.5 L) µinch (L in inches)		Using manual comparator; direct comparison
Metric, 25 to 250 mm	(0.13+ 0.0055 L) µm (L in mm)		Using manual comparator; direct comparison
Inch, 12 to 20 inches	47 µinch		Using CMM
Metric, 300 to 500 mm	1.2 µm		Using CMM
Ceramic, length See note [1]			
Inch, up to 4 inches	(1.6+ 0.7 L) µinch (L in inches) or 2 µinch, whichever greater	I	Using automatic comparator

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Metric, up to 100 mm	(0.04+ 0.0007 L) µm (L in mm) or 0.05 µm, whichever greater		Using automatic comparator
Gauge Block See note [2]			
Variation in length (parallelism)	1 µinch or 0.025 µm	I	Using automatic comparator
Height gauge			
Inch, up to 40 inches	(51+ 2.0 L) µinch (L in inches)	II	See note [3]
Metric, up to 1000 mm	(1.3+ 0.002 L) µm (L in mm)		
Micrometer			
Head			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Inch, up to 2 inches	30 µinch	II	See note [3]
Metric, up to 50 mm	0.6 µm		
Outside			
Inch, up to 6 inches	(45 + 2 L) µinch (L in inches)	II	See note [3]
Inch, > 6 to 20 inches	(50 + 4.2 L) µinch (L in inches)		
Metric, up to 500 mm	(1.0 + 0.0042 L) µm (L in mm)		
Depth			
Inch, up to 6 inches	(45 + 2.2 L) µinch (L in inches)	II	See note [3]
Inch, > 6 to 12 inches	(55 + 3.8 L) µinch (L in inches)		
Metric, up to 300 mm	(1.1 + 0.0036 L) µm (L in mm)		

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Tubular inside			
Inch, up to 2 inches	(50 + 0.8 L) µinch (L in inches)	II	See note 3
Inch, > 2 to 24 inches	(60 + 4.4 L) µinch (L in inches)		
Metric, up to 600 mm	(1.0 + 0.005 L) µm (L in mm)		
Three point internal			
Inch, up to 7 inches	(75 + 1.6 L) µinch (L in inches)	II	See note 3
Metric, up to 175 mm	(1.3 + 0.0032 L) µm (L in mm)		
Indicator tester			
Inch, up to 1 inch	30 µinch	II	See note 3
Metric, up to 25 mm	0.6 µm		

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Bore gauge (2 points)			
Inch, up to 4 inches	(50 + 0.3 L) µinch (L in inches)	II	See note [3]
Metric, up to 100 mm	(1.1 + 0.0006 L) µm (L in mm)		
Indicator			
Dial			
Inch, 0.00005 inch graduations	14 µinch	II	Up to 4 inch travel
Inch, 0.0001 inch graduations	20 µinch		
Metric, 0.001 mm graduations	0.3 µm		Up to 100 mm travel

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Metric, 0.002 mm graduations	0.4 µm		
Metric, 0.02 mm graduations	3.0 µm		
Digital			
Inch, 0.00005 inch resolution	30 µinch	II	Up to 4 inch travel
Metric, 0.0005 mm resolution	0.4 µm		Up to 100 mm travel
Metric, 0.001 mm resolution	0.7 µm		
Metric, 0.01 mm resolution	5.8 µm		
Caliper			
Outside, Inside and Depth			
Inch			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
up to 24 inches	(290 + 1.6 L) µinch (L in inches)	II	See note [1]
> 24 to 40 inches			
0.0005 inch resolution	(400 + 14 L) µinch (L in inches)	II	See note [1]
0.001 inch resolution	(1000 + 10 L) µinch (L in inches)		
Metric			
up to 600 mm	(5.8 + 0.002 L) µm (L in mm)	II	See note [1]
> 600 to 1000 mm			
0.01 mm resolution	(7.5 + 0.014 L) µm (L in mm)	II	See note [1]
0.02 mm resolution	(20 + 0.010 L) µm (L in mm)		
Depth gauge			
Dial Caliper Type			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Inch, up to 12 inches	0.0024 inch	II	See note [3]
Metric, up to 300 mm	60 µm		
Dial Indicator Type			
Inch, up to 12 inches	580 µinch	II	See note [3]
Metric, up to 300 mm	12 µm		
Digital Caliper Type			
Inch, up to 12 inches	290 µinch	II	See note [3]
Metric, up to 300 mm	6 µm		
Digital Indicator Type			
Inch, up to 12 inches	(30 + 2 L) µinch (L in inches)	II	See note [3]

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Metric, up to 300 mm	(0.6 + 0.0025 L) µm (L in mm)		
Vernier Caliper Type			
Inch, up to 12 inches	1200 µinch	II	See note [3]
Metric, up to 300 mm	24 µm		
External caliper gauge			
Inch, up to 4 inches			
0.0002 inch resolution	120 µinch	II	See note [1]
0.0005 inch resolution	290 µinch		
0.001 inch resolution	580 µinch		
0.002 inch resolution	1200 µinch		

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
0.005 inch resolution	2900 µinch		
Metric, up to 100 mm			
0.005 mm resolution	2.9 µm	II	See note [1]
0.01 mm resolution	5.8 µm		
0.02 mm resolution	12 µm		
0.05 mm resolution	29 µm		
0.1 mm resolution	58 µm		
Internal caliper gauge			
Inch, up to 4 inches			
0.0002 inch resolution	120 µinch	II	See note [1]

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
0.0005 inch resolution	290 µinch		
0.001 inch resolution	580 µinch		
Metric, up to 100 mm			
0.005 mm resolution	2.9 µm	II	See note [1]
0.01 mm resolution	5.8 µm		
0.02 mm resolution	12 µm		
Thickness gauge			
Inch, up to 1 inch	290 µinch	II	See note [3]
Metric, up to 25 mm	5.8 µm		
Profile projector			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Linearity of movement: Digital readout type	(1.6 + 0.021 L) µm (L in mm)	III	See note [3] On-site calibration available.
Linearity of movement: Micrometer head type	(1.6 + 0.017 L) µm (L in mm)		
Magnification error	(13+0.017 L) µm (L in mm)		
Squareness of stage	0.7 µm		
Eccentricity of screen rotation	1.6 µm		
Parallelism of stage	1.7 µm		
Accuracy of edge finder	1.0 µm		
I-Checker			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
25 to 100 mm	(0.13 +. 0027 L) μm , L is in mm	II	See note [1]
1 to 4 inches	(5.1 + 2.7 L) μinch , L is in inch		
Mu-checker: Graduation			
0.1 μm	0.3 μm	II	See note [1]
0.5 μm	0.3 μm		
1 μm	0.4 μm		
5 μm	1.5 μm		
10 μm	2.9 μm		
50 μm	15 μm		
0.000005 inch	10 μinch		
0.00001 inch	10 μinch		
0.00005 inch	17 μinch		
0.0001 inch	30 μinch		

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
0.0005 inch	150 µinch		
0.001 inch	290 µinch		
Riser block			
150 to 600 mm	(0.4 + 0.002 L) µm , L is in mm	II	See note [1]
6 to 24 inches	(16 + 2 L) µinch , L is in inch		
Height masters			
Up to 300 mm	(0.5 + 0.002 L) µm , L is in mm	II	See note [1]
Up to 12 inches	(20 + 2 L) µinch , L is in inch		
Step gauge (checkmaster)			
Up to 1010 mm	(0.39 + 0.0014 L) µm where L is the length in mm	II	See note [13]

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
> 1010 up to 1710 mm	(0.61 + 0.0018 L) µm where L is the length in mm		
Up to 40 inch	(15.4 + 1.4 L) µinch where L is the length in inches		
> 40 Inch up to 70 Inch	(24 + 1.8 L) µinch where L is the length in inches		
Micrometer standard			
5 to 500 mm	(0.32 + 0.002 L) µm where L is the length in mm	II	See note [13]
> 500 up to 1000 mm	(0.69 + 0.004 L) µm where L is the length in mm		

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
0.2 to 20 inches	(12.6 + 2 L) µinch where L is the length in inches		
> 20 up to 40 inches	(27.2 + 4 L) µinch where L is the length in inches		
Flatness for granite or steel surfaces requiring an accuracy of greater than 0.4 µm			
1 x 1 mm to 900 x 1000 mm	(0.34 + 0.002 L) µm where L is the maximum length in mm	II	See note 15
0.04 x 0.04 inch to 35 x 40 inch	(13 + 2 L) µinch where L is the maximum length in inches		
Cylindrical ring gauge: Diameter			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
3 to 500 mm	(0.46 + 0.002D) µm where D is the diameter in mm	II	See note [13]
0.12 to 20 inches	(18.1 + 2.0D) µinch where D is the diameter in inches		
Cylindrical plug gauges: Diameter			
3 to 500 mm	(0.30 + 0.002D) µm where D is the diameter in mm	II	See note [13]
0.12 to 20 inches	(11.8 + 2.0D) µinch where D is the diameter in inches		
Test spheres			
Diameter			
8 to 50 mm	0.4 µm	II	See note [13]
0.3 to 2 inches	16 µinch		
Form			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
8 to 50 mm	(0.05 + 0.007R) µm where R is the measured roundness in µm	II	See note [14]
0.3 to 2 inches	(2.0 + 0.007R) µinch where R is the measured roundness in µinch		
Roundness			
Diameter of 2 to 200 mm	(0.05 + 0.007R) µm where R is the measured roundness in µm	II	See note [14]
Diameter of 0.8 to 8 inches	(2.0 + 0.007R) µinch where R is the measured roundness in µinch		
Precision squares			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
50 to 800 mm	(0.3 + 0.003 L) µm where L is the length in mm	II	See note [15]
2 to 32 inch	(12 + 3 L) µinch where L is the length in inches		
Parallels: Granite or steel			
5 to 1000 mm			
Parallelism	(0.33 + 0.002 L) µm where L is the length in mm	II	See note [13]
Width	(0.83 + 0.001 L) µm where L is the length in mm		
0.2 to 40 inches			
Parallelism	(13.0 + 2 L) µinch where L is the length in inches	II	See note [13]

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Width	(32.7 + 1.0 L) µinch where L is the length in inches		
Mitutoyo contracer and form tracers			
Up to 200 mm Horizontal Axis:			
Measurement of Stylus Radius	(1.21 + 0.004D) µm where D is measured Radius length in mm	III	On-site services as per FSTM-11
Detector Accuracy	(0.33 + 0.0007L) µm where L is the length in mm		
X and Y Axis	(0.46 + 0.004L) µm where L is measurement length in mm		
Straightness	0.09 µm		
Surface roughness	0.07 µm		

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Coordinate measuring machines (CMM)			
Acceptance and reverification tests for CMM - CMMs used for measuring size			On-site services as per ISO 10360-2 2009 edition and 2001 edition. See note [9]
Error of Indication			
0 to 1.5 m	(0.12 + 0.00004 L) µm where L is the length in mm	III	See note [10]
0 to 40 m	(0.16 + 0.0006 L) µm where L is the length in mm		See note [11]
Probing Error			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
10 to 50 mm in sphere diameter	0.14 µm	III	See note [12]
Mitutoyo optic coordinate measuring machines			
Up to 600 mm			
Length Measurement Error: E_{UXY}	(0.25 + 0.39 x L/1000) µm at *k*=2 where L is measured Length in mm	III	On-site services according to ISO 10360-7: 2011 and FSTM-8 See note [17] See note [18]
Length Measurement Error: E_{UZ}	(0.27 + 0.60 x L/1000) µm at *k*=2 where L is measured Length in mm		
Squareness Error: E_{SQ}	(1.79 + 0.003L) µm at k=2 where L is measured Length in mm		
Probing Error: P_{F2D}	0.13 µm		

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
Probing Error: P_{FV2D}	0.13 µm		
Surface roughness			
R_a up to 4.1 µm			
R_a	0.07 µm	II	See note 16
R_{max}, R_y	0.29 µm		
R_a up to 160 µinches			
R_a	3 µinches	II	See note 16
R_{max}, R_y	11 µinches		
Hardness			
Indirect verification of Rockwell hardness testers			
HRA **HRB** **HRC** **HRD**	Governed by the uncertainty of the standardized test block used to perform the indirect verification	III	ASTM E18 Standardized Test Blocks per ASTM E18 See notes 4, 7 and 8.

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
HRE			On-site calibration available.
Indirect verification of Rockwell Superficial hardness testers			
HR15T **HR30T** **HR15N** **HR30N**	Governed by the uncertainty of the standardized test block used to perform the indirect verification	III	ASTM E18 Standardized Test Blocks per ASTM E18 See notes [4], [7] and [8]. On-site calibration available.
Indirect verification of Vickers and Knoop micro indentation hardness testers			
HV **HK**	Governed by the uncertainty of the standardized test block used to perform the indirect verification	III	ASTM E384 Standardized Test Blocks per ASTM E384 See notes [5], [7] and [8]. On-site calibration available.
Indirect verification of Vickers hardness testers			

Measured Quantity & Range or Instrument	Calibration and Measurement Capability expressed as an Uncertainty (±) (See supplementary notes)	Type of Service	Remarks
HV	Governed by the uncertainty of the standardized test block used to perform the indirect verification	III	ASTM E92 Standardized Test Blocks per ASTM E92 See notes [6], [7] and [8]. On-site calibration available.
Indirect verification of Rockwell and Vickers portable hardness testers			
HRC **HV**	Governed by the uncertainty of the standardized test block used to perform the indirect verification	III	ASTM E18 and E92 Standardized Test Blocks per ASTM E18 & E92 See notes [4], [6], [7] and [8]. On-site calibration available.

1 The Calibration Measurement Capability (CMC) listed can be achieved only if the standards being calibrated are suitable for such a measurement. The uncertainty stated on a calibration report will reflect the uncertainty contribution of the standards that were calibrated.

2 This measured quantity is commonly known as parallelism of gauge blocks.

3 The Calibration Measurement Capability listed is based on the calibration of an instrument with a resolution of 0.001 mm. The uncertainty stated on the calibration report will reflect the uncertainty contribution of the specific instrument that was calibrated.

4 The Indirect Verification of Rockwell Hardness Testers and Rockwell Superficial Hardness Testers is performed according to the requirements of ASTM E18.

5 The Indirect Verification of Knoop and Vickers Micro Hardness Testers is performed according to the requirements of ASTM E384.

6 The Indirect Verification of Vickers Hardness Testers is performed according to the requirements of ASTM E92.

7 ASTM E18, E384 and E92 are published by the ASTM International (ASTM).

8 The uncertainty of the hardness tester being calibrated is calculated for each specific test point and is dependant on the uncertainty of the specific hardness test block used and on the performance characteristics of the hardness tester itself.

9 The conformance to specification of the CMM is made in accordance with ISO 14253-1 taking into account all test measurement uncertainties.

10 This CMC is obtained using a low expansion artefact being at least 66% of the longest spatial diagonal of the measuring volume of the CMM, and the shortest size being less that 30 mm, over a temperature ranging from 19.5 to 20.5°C.

11 This CMC is obtained using a laser interferometer measuring technique, over a temperature ranging from 19.5 to 20.5°C.

12 The reference sphere supplied with the CMM will not be used for this test.

13 Calibrated in comparison with traceable standards using a Legex CMM.

14 Calibrated in comparison with traceable standards using a roundness tester.

15 Calibrated using a Legex CMM.

16 ASME B46.1

17 For imaging probe CMM capable of 3D and 2D measurements, using the component approach.

18 Limited to unidirectional measurements.

Date modified:

2019-10-30

Standards Council of Canada
Conseil canadien des normes

National Research Council Canada
Conseil national de recherches Canada

Program for Accreditation of Laboratories – Canada
Programme d'accréditation des laboratoires – Canada

Calibration Laboratory Assessment Service
Service d'évaluation de laboratoires d'étalonnage

CERTIFICATE OF ACCREDITATION

CERTIFICAT D'ACCRÉDITATION

Mitutoyo Canada Inc.

Calibration Laboratory

2121 Meadowvale Boulevard, Mississauga, ON L5N 5N1

having been assessed by the National Research Council of Canada (NRC), under the authority of the Standards Council of Canada (SCC), and found to conform with the requirements of ISO/IEC 17025:2017 and conditions established by SCC, and the NRC Calibration Laboratory Assessment Service (CLAS), and having demonstrated the capability of calibrating measurement instruments and standards and providing verified traceability to the national measurement standards of Canada, in specified fields and specified uncertainty limits, is hereby recognized as an

ayant fait l'objet d'une évaluation par le Conseil national de recherches du Canada (CNRC), sous l'autorité du Conseil canadien des normes (CCN) et ayant été trouvé conforme aux exigences d'ISO/IEC 17025:2017, ainsi qu'aux conditions établies par le CCN et le Service d'évaluation de laboratoires d'étalonnage (CLAS) du CNRC, et ayant prouvé ses compétences en matière d'étalonnage des instruments de mesure et des étalons, et de raccordement aux étalons nationaux du Canada, dans des domaines précis et des limites établies d'incertitude, est de ce fait reconnu comme étant un

ACCREDITED CALIBRATION LABORATORY
For specific measurement capabilities which are hereby CERTIFIED by CLAS

LABORATOIRE D'ÉTALONNAGE ACCRÉDITÉ
CERTIFIÉ par le CLAS pour des capacités précises de mesurage

as listed in the Directory of the Canadian Calibration Network maintained by NRC and approved by SCC. The national measurement standards of Canada are realized, maintained and disseminated by NRC under the authority of the National Research Council Act and the Weights and Measurements Act. Bilateral agreements recognizing the equivalence of national measurement standards exist between NRC and other national metrology institutes. Copies of these agreements are available from NRC.

indiquées dans le Répertoire du réseau canadien d'étalonnage établi par le CNRC et approuvé par le CCN. Les étalons nationaux du Canada sont établis, maintenus et émis par le CNRC en vertu de la Loi sur le Conseil national de recherches et de la Loi sur les poids et mesures. Il existe entre le CNRC et d'autres instituts nationaux de métrologie des accords bilatéraux qui reconnaissent l'équivalence des étalons nationaux de mesure. Le CNRC tient à la disposition du public des exemplaires de ces accords.

Accredited laboratory number: / Numéro de laboratoire accrédité : 503
SCC file number: / Dossier du CCN n° : 15587
NRC CLAS Certificate No. / Numéro du certificat CNRC CLAS : 2003-05
Initial accreditation date: / Date de la première accréditation : 2003-10-07

Chief Metrologist (NRC) / Métrologiste en chef (CNRC)

Vice-President – Accreditation Services / Vice-président – Services d'accréditation

Issued on: / Délivré le : 2020-04-05

The validity of this certificate, including the date of last re-accreditation and its expiry can be confirmed by the accompanying Scope of Accreditation document in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. The accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF communiqué dated April 2017).

Pour vérifier la validité du présent certificat, y compris la date de la dernière réaccréditation et la date d'expiration du certificat, consulter la portée d'accréditation qui se trouve dans le répertoire des laboratoires accrédités dans le site Web du CCN au www.ccn.ca.

Ce laboratoire est accrédité conformément à la Norme internationale reconnue ISO/IEC 17025:2017. Cette accréditation démontre la compétence technique d'un organisme pour une portée définie et l'exploitation d'un système de management de la qualité de laboratoire (cf. communiqué conjoint ISO-ILAC-IAF date de avril 2017).

Canada

Standards Council of Canada
Conseil canadien des normes

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 503

Legal Name of Accredited Laboratory:	**Mitutoyo Canada Inc.**
Location Name or Operating as (if applicable):	Calibration Laboratory
Contact Name:	Fritz Jordaan
Address:	2121 Meadowvale Boulevard Mississauga, ON L5N 5N1
Telephone:	+1 905 821 1261
Fax:	+1 905 821 4968
Website:	www.mitutoyo.ca
Email:	Fritz.Jordaan@mitutoyo.ca

SCC File Number:	15587
Provider:	NRC-CLAS
Provider File Number:	461
Accreditation Standards:	ISO/IEC 17025:2017
Clients Served:	All interested parties On-site calibration services are available for some capabilities
Field of Calibration:	Dimensional Hardness
Program Specialty Area:	Calibration
Initial Accreditation:	2003-10-07
Most Recent Accreditation:	2020-04-05
Accreditation Valid to:	2023-10-07

Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.
Note: This scope of accreditation is also available in French as a separately issued document.

Canada

CALIBRATION OF MEASURING AND TEST EQUIPMENT

For calibration measurement capability, please refer to the Canadian Calibration Network web page at the National Research Council of Canada. This laboratory is accredited by the Standards Council of Canada as part of the Calibration Laboratory Assessment Service (CLAS) program and is listed at nrc.canada.ca.

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
Vice-President, Accreditation Services
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