



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

### Quality Inspection Technologies (Division of 6297986 Canada Ltd)

6537 Kister Rd., Unit 2  
Niagara Falls, ON L2G 0B8 Canada

Fulfills the requirements of

### ISO/IEC 17025:2017

In the fields of

**CALIBRATION**  
and **DIMENSIONAL MEASUREMENT**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

Jason Stine, Vice President

Expiry Date: 05 August 2027

Certificate Number: L1094-1



This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**Quality Inspection Technologies**  
(a division of 297986 Canada, Ltd)  
6537 Kister Rd., Unit 2  
Niagara Falls, ON L2G 0B8 Canada  
Torben Rasmussen  
905-354-9507

## CALIBRATION AND DIMENSIONAL MEASUREMENT

Valid to: **August 5, 2027**, Certificate Number: **L1094-1**

### CALIBRATION

#### Length – Dimensional Metrology

| Parameter/Equipment                         | Range         | Expanded Uncertainty of Measurement (+/-) <sup>1</sup> | Reference Standard, Method, and/or Equipment |
|---|---------------|--|--|
| Micrometer Standards                        | Up to 29 in   | $(39 + 6L) \mu\text{in}$                               | Comparison to Gauge Blocks using Telma 500   |
|   | (29 to 48) in | $(21 + 7.8L) \mu\text{in}$                             | Comparison to Gauge Blocks                   |
| Plain Rings                                 | (0.5 to 6) in | $(51 + 6D) \mu\text{in}$                               | Comparison to Gauge Blocks using Telma 500   |
| Pin Gauges                                  | Up to 1 in    | $(51 + 4.8D) \mu\text{in}$                             |  |
| Plug Gauges                                 | Up to 4 in    | $(49 + 5.8D) \mu\text{in}$                             |  |
| Outside Micrometer (0.000 05 in Resolution) | (0 to 48) in  | $(38 + 7.1L) \mu\text{in}$                             | Comparison to Gauge Blocks                   |
| Outside Micrometer (0.000 1 in Resolution)  | (0 to 48) in  | $(47 + 6.7L) \mu\text{in}$                             |  |
| Outside Micrometer (0.001 in Resolution)    | (0 to 48) in  | $(570 + 2.3L) \mu\text{in}$                            |  |
| Depth Micrometer (0.000 05 in Resolution)   | (0 to 12) in  | $(54 + 5L) \mu\text{in}$                               |  |
| Depth Micrometer (0.000 1 in Resolution)    | (0 to 12) in  | $(73 + 4.3L) \mu\text{in}$                             |  |
| Depth Micrometer (0.001 in Resolution)      | (0 to 12) in  | $(580 + 0.7L) \mu\text{in}$                            |  |

## Length – Dimensional Metrology

| Parameter/Equipment                                | Range              | Expanded Uncertainty of Measurement (+/-) <sup>1</sup> | Reference Standard, Method, and/or Equipment                       |
|--|--------------------|--|--|
| Inside Micrometer<br>(0.000 1 in Resolution)       | (2 to 29) in       | $(64 + 7.5L) \mu\text{in}$                             | Comparison to Gauge Blocks using Telma 500                         |
| Inside Micrometer<br>(0.001 in Resolution)         | (2 to 29) in       | $(580 + 2.2L) \mu\text{in}$                            | Comparison to Gauge Blocks using Telma 500                         |
| Inside Micrometer<br>(0.000 1 in Resolution)       | (30 to 80) in      | $(130 + 6L) \mu\text{in}$                              | Comparison to Gauge Blocks   |
| Inside Micrometer<br>(0.001 in Resolution)         | (30 to 80) in      | $(520 + 4L) \mu\text{in}$                              | Comparison to Gauge Blocks   |
| Calipers<br>(0.000 1 in Resolution)                | (0 to 48) in       | $(400 + 9.6L) \mu\text{in}$                            | Comparison to Gauge Blocks   |
| Calipers<br>(0.000 5 in Resolution)                | (0 to 48) in       | $(640 + 7.8L) \mu\text{in}$                            | Comparison to Gauge Blocks   |
| Dial/Digital Indicators<br>(0.000 1 in Resolution) | (0 to 1) in        | $(80 + 3.1L) \mu\text{in}$                             | Comparison to Telma 500  |
| Dial/Digital Indicators<br>(0.000 5 in Resolution) | (0 to 1) in        | $(300 + 0.9L) \mu\text{in}$                            | Comparison to Telma 500  |
| Test Indicators<br>(0.000 1 in Resolution)         | (0 to 0.4) in      | $(78 + 25.7L) \mu\text{in}$                            | Comparison to Telma 500  |
| Test Indicators<br>(0.000 5 in Resolution)         | (0 to 0.4) in      | $(300 + 10.2L) \mu\text{in}$                           |  |
| Dial Bore Gauges<br>(0.000 1 in Resolution)        | (0 to 1) in travel | $(91 + 4.8L) \mu\text{in}$                             |  |
| Height Gauges<br>(0.000 5 in Resolution)           | (0 to 48) in       | $(570 + 3.6L) \mu\text{in}$                            | Comparison to Gauge Blocks using Mahr Comparator and Surface Plate |
| Height Gauges<br>(0.001 in Resolution)             | (0 to 48) in       | $(910 + 2.5L) \mu\text{in}$                            | Comparison to Gauge Blocks using Mahr Comparator and Surface Plate |
| Steel Rules / Scales                               | (0 to 36) in       | $(93 + 13) L \mu\text{in}$                             | Comparison with Master Steel Rule                                  |
| Bevel Protractors                                  | Up to 90°          | 0.005 6°   | Comparison to Angle Blocks and Surface Plate                       |

### Length – Dimensional Metrology

| Parameter/Equipment                  | Range      | Expanded Uncertainty of Measurement (+/-) <sup>1</sup> | Reference Standard, Method, and/or Equipment  |
|--------------------------------------|------------|--|---|
| Thread Plug Gauges                   |            |  |   |
| Major Diameter                       | Up to 4 in | $(52 + 4.2D) \mu\text{in}$                             | Comparison to<br>Micrometer                   |
| Pitch Diameter<br>(60° thread angle) | Up to 4 in | $(77 + 9.0D) \mu\text{in}$                             | Bench Micrometer, Mahr<br>Probe, Thread Wires |

## DIMENSIONAL MEASUREMENT

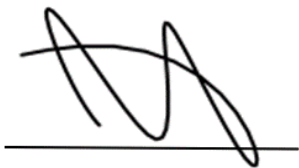
### 3 Dimensional

| Parameter                     | Range  | Expanded Uncertainty of Measurement (+/-) <sup>1</sup> | Reference Standard, Method and/or Equipment                 |
|-------------------------------|--|--|---|
| Dimensional Measurement<br>3D | X = (0 to 47) in<br>Y = (0 to 78) in<br>Z = (0 to 40) in | $(97 + 60L) \mu\text{in}$                              | Measurement using<br>Wenzel Coordinate<br>Measuring Machine |

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1.  $D$  = diameter in inches,  $L$  = length in inches.
2. This scope is formatted as part of a single document, including Certificate of Accreditation No. L1094-1.



Jason Stine, Vice President