

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

Accredited Laboratory No. 10

**Legal Name of Accredited Laboratory:** **T. Manson & Associates Ltd. o/a  
Industrial Technology Centre  
MECHANICAL TESTING AND  
CALIBRATION LABORATORIES**

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<b>SCC File Number:</b>	151257
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Mechanical/Physical
<b>Initial Accreditation:</b>	1984-06-05
<b>Most Recent Accreditation:</b>	2022-06-12
<b>Accreditation Valid to:</b>	2024-06-05

*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.*

**OTHER SCOPE(S)**

The laboratory has a separately issued Calibration scope that can be viewed at:

[nrc.canada.ca](http://nrc.canada.ca)

Simply type in the laboratory name to access the scope.

**METALLIC ORES AND PRODUCTS**

**Articles of Metal:**

**All Forms, Articles of Metal**

**Cast, Forged, Welded or Pressed Metal Components**

ASME Boiler and Pressure Vessel Code	Section VIII, Division 1, Part UCS Only for: Low Temperature Operation - UCS-67 Impact Tests of Welding Procedures - UG-84 Charpy Impact Tests
ASME Boiler and Pressure Vessel Code	Section IX, Part QW Article I Only for: QW-150 Tension Tests QW-160 Guided Bend Tests QW-180 Fillet Weld Tests Section IX, Part QB Article XI Only for: QB-150 Tension Tests QB-160 Guided Bend Tests
ASTM E10	Standard Test Method for Brinell Hardness of Metallic Materials
ASTM E18	Standard Test Methods for Rockwell Hardness of Metallic Materials
ASTM E23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials, Only for: V-Notch (Type A)
ASTM E8	Test Methods for Tension Testing of Metallic Materials
CSA W47.1	Certification of Companies for Fusion Welding of Steel Only for: destructive mechanical testing
CSA W47.2	Certification of Companies for Fusion Welding of Aluminum Only for: destructive mechanical testing

### Components, Articles of Metal

ASTM B557	Standard Test Methods for Tension Testing Wrought and Cast Aluminum and Magnesium - Alloy Products
ASTM E1999	Standard Test Method for Analysis of Cast Iron by Spark Atomic Emission Spectrometry
ASTM E384	Standard Test Method for Microindentation Hardness of Materials Only for: Vickers hardness testing
ASTM E415	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry
ASTM E92	Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials Only for: Vickers hardness testing

Number of Scope Listings: 13

#### **Notes:**

**ISO/IEC 17025:2017:** General Requirements for the Competence of Testing and Calibration Laboratories.

ASME: American Society of Mechanical Engineers

ASTM: American Society of Testing and Materials

CSA: Canadian Standard Association

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](http://www.scc.ca).

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