



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY CANADA INC.
15 High Ridge Court
Cambridge ON, Canada N1R7L3
Roger Graham Phone: +1 519 621-8191
roger.graham@element.com

MECHANICAL

Valid To: November 30, 2026

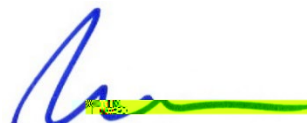
Certificate Number: 6526.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on cast, forged, welded, or pressed metal components:

TerFXSt@CaSAmPFXQet@GE8Tr. (Mechanical)

<p>Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Inert Gas Fusion Techniques</p> <p>Chemical Analysis of Carbon, Low -Alloy Steel and Aluminum and Aluminum Alloys by OES (Optical Emission Spectroscopy)</p> <p>Quantitative Analysis: Aluminum Alloys</p> <p style="text-align: center;">and THERMO iCAP PRO XP</p>	<p>ASTM E1019</p>
<p>Aluminum Alloys Carbon and Low Alloy Steels Cast Irons Cobalt Alloys Copper and Brass Alloys Nickel Alloys Stainless Steels Titanium Alloys Tool Steels</p> <p>Zinc Alloys</p>	<p>CHEM-1004; CHEM-1007; ASTM D1976¹</p>

Test(s):	Test Method(s):
<u>Chemical continued</u>	
Analysis of Oxygen, Nitrogen and Hydrogen by Eltra Elementrac ONH-p Combustion Analysis of Hydrogen in Steel and Ferrous Alloy Carbon and Low Alloy Steels Cast Irons Cobalt Alloys Nickel Alloys Stainless Steel Titanium and Titanium Alloys Tool Steels	CHEM-20; ASTM E1409; ASTM E1447; ASTM E1937 ¹ ; ASTM E1019 ¹
<u>Mechanical</u>	
Tension	



Test(s):	Test Method(s):
<u>Metallographic Evaluation continued</u>	
Moist SO ₂	ASTM G87
Abrasion	ASTM D4060
Visual and Macroscopic Evaluation of Welds	ISO 5817 (<i>excluded: beam welds</i>); AWS D1.2 (Sections 3.6, 3.7, 3.8, 5.14, 5.2, 6.4, and 6.4.5.5); CSA-W47.1 (Sections 9.9, 9.10, 9.11, 9.14, 11.6, 11.7); AWS D1.1
Determination and Acceptance of Boiler and Pressure Vessel Code (Sections II only)	SA-193/SA-193M; SA-194/SA-194M; SA-213/SA-213M; SA-240/SA-240M; SA-325, SA-370; SA-450/SA-450M; SA-530/SA-530M (<i>except Section 20</i>); SA-540/SA-540M; SA-962/SA-962M; III, Section VIII Only for: UG-84 and Section IX Only for: QW-144, QW-150, QW- 160, QW-184, QW-193 (<i>except Section 1.2</i>), QW-194, QW-462.1, QW- 462.4, QW-462.5, QW-462.12 ASME Section II Part A, Section II Part B, Section VIII, Section IX
Microhardness Knoop (25g to 1000g) Vickers (50g to 1000g) Macrohardness Vickers (5kg to 30kg)	ASTM E384 ASTM E92 ASTM E92
Standard Test Methods and Definitions for Mechanical Testing of Steel Products	ASTM A370
Bend	ASTM E190; AWS D1.1
Ferrite Testing	ASTM A800/A800M; ASTM A799; ASTM E562
Depth of Decarburization	ASTM E1077; SAE J419
Grain Size	ASTM E112
<u>Coating Testing</u>	
Coating Weight	ASTM A90; ASTM B767

Test(s):	Test Method(s):
<u>Environmental / Corrosion Testing continued</u>	
Salt Spray Testing	ASTM B117; FLTM BI_103-01; ISO 9227; JISZ2371; TSH 1552G; GMW 3286; ASTM B368; GMW 14458; ASTM G85; SAE J2334; GMW14872; GMW14124 (<i>except Cycles H, N, R, T</i>)
Water Resistance of Coatings	ASTM D870; FLTM BI 104-01
Pitting Corrosion	ASTM G48
Humidity	ASTM D1735, GMW 14729; ASTM D4585; ASTM D2247
Color	ASTM D2244; ASTM E1164
Chip or Gravel Resistance	ASTM D3170; SAE J400; GMW 14700
Adhesion	ASTM D3359; FLTM BI 106-01; GMW 14829; ASTM D522; ISO 2409
Gloss/Haze Measurements	ASTM D523
Evaluations	ASTM D610; ASTM D714; GMW 15356; GMW 15357; GMW 15358; GMW 15359; ASTM D1654; GMW 15282
Water Immersion	ASTM D870; FLTM BI 104-01
Fuel Resistance of Automotive Exterior Materials and Components	GMW 14334; Chrysler 463PB-31-01
Coatings Performance	GMW 14671 (Sections 4.11.1 & 4.11.2)

¹ Modified Method



A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY CANADA INC.

Cambridge, Ontario, Canada

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined



For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.