



PROGRAMME D'ACCREDITATION DES LABORATOIRES D'ESSAIS ET D'ÉTALONNAGE (PAL)

Portée d'accréditation

Laboratoire accrédité n°.288

Entité juridique accréditée :	Element Materials Technology Canada Inc
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Fournisseur de services	BNQ-EL
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Norme(s) d'accréditation	ISO/IEC 17025:2017 Exigences générales concernant la compétence des laboratoires d'étalonnages et d'essais
Domaines d'essai	Examen non destructif Mécanique et physique
Accréditation initiale	1999-04-29
Accréditation la plus récente	2020-11-27
Accréditation valide jusqu'au	2023-04-29



Remarque : La présente portée d'accréditation existe également en anglais. La version anglaise est publiée séparément.

Note: This scope of accreditation is also available in English as a separately issued document.

MINÉRAIS ET PRODUITS MÉTALLIQUES

Articles de métal :

Éléments métalliques coulés, forgés, soudés ou matrices

(Corrosion)

ASTM A262	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM D1654	Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments Sauf pour : Paragraphs 8.1.4 and 8.1.5
ASTM D610	Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces
ASTM D714	Standard Test Method for Evaluating Degree of Blistering of Paints
ASTM G110	Standard Practice for Evaluating Intergranular Corrosion Resistance of Heat Treatable Aluminum Alloys by Immersion in Sodium Chloride + Hydrogen Peroxide Solution
ASTM G48	Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution Seulement pour : <i>Method A & Method C</i>

(Mécanique)

ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Seulement pour : <i>Sections 1 à 18 et 20 à 30 et annexes A1 et A2, excepté pour A2.3 et annexes A3 et A8</i>
ASTM A48	Standard Specification for Gray Iron Castings Seulement pour : <i>Sections 12, 13 et 14</i>
ASTM B557/B557M	Standard Test Methods of Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products
ASTM D522	Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings
ASTM E10	Standard Test Method for Brinell Hardness of Metallic Materials
ASTM E208	Standard Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels Seulement pour : <i>échantillons P2 et P3</i>
ASTM E23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials
ASTM E290	Standard Test Methods for Bend Testing of Material for Ductility



ASTM E384	Standard Test Method for Microindentation Hardness of Materials Sauf pour : dureté Knoop
ASTM E8/E8M	Standard Test Methods for Tension Testing of Metallic Materials
ASTM E92	Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials Sauf pour : <i>Knoop Hardness</i>
ASTM F519	Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating/Coating Processes and Service Environments Seulement pour : <i>sections 6, 11 et 12 et pour échantillons type 1a.1 seulement</i>
ASTM F606/F606M	Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets <i>Sections 1 à 4</i>
SAE J429	Mechanical and Material Requirements for externally Threaded Fasteners

(Métallographie)

ASTM A247	Standard Test Method for Evaluating the Microstructure of Graphite in Iron Castings
ASTM B487	Standard Test Methods for Measurement of Metal and Oxide Coating Thickness by Microscopical Examination of a Cross Section
ASTM E1077	Standard Test Methods for Estimating the Depth of Decarburization of Steel Specimens Sauf pour : Section 7.5 Chemical Analysis Methods
ASTM E112	Standard Test Methods for Determining the Average Grain Size (McQuaid Ehn Test) Sauf pour : <i>paragraphe 11</i>
ASTM E18	Standard Test Methods for Rockwell Hardness of Metallic Materials
ASTM E3	Standard Guide for Preparation of Metallographic Specimens
ASTM E340	Standard Practice for Macroetching Metals and Alloys
ASTM E381	Standard Method of Macroetch Testing Steel Bars, Billets, Blooms and Forgings
ASTM E407	Standard Practice for Microetching Metals and Alloys
ASTM E562	Standard Test Method for Determining Volume Fraction by Systematic Manual Point Count
ASTM F2111	Standard Practice for Measuring Intergranular Attack or End Grain Pitting on Metals Caused by Aircraft Chemical Processes Sauf pour : <i>6, 7.1 à 7.3</i>
SAE J423	Methods of Measuring Case Depth

(Propriétés de la soudure ASME Boiler and Pressure Vessel Code - Sections II, III, VIII and IX)

ASME IX (QB-150)	Brazing General Requirements - Tension Tests
ASME IX (QB-160)	Brazing General Requirements - Guided Bend Tests
ASME IX (QB-170)	Brazing General Requirements - Peel Tests
ASME IX (QB-180)	Brazing General Requirements - Sectioning Tests and Workmanship Coupons



ASME IX (QW-150)	Welding General Requirements - Tension Tests
ASME IX (QW-160)	Welding General Requirements - Guided Bend Tests
ASME IX (QW-170)	Welding General Requirements - Notch Toughness Tests
ASME IX (QW-180)	Welding General Requirements - Fillet Weld Tests
ASTM EI90	Standard Test Method for Guided Bend Test for Ductility of Welds
AWS D1.1	Structural Welding Code - Steel Seulement pour : <i>Section 5 part A et Section 6 part B</i>
AWS D1.2	Structural Welding Code Aluminum Part B, sections 3.6, 3.7 et 3.8 seulement
AWS D17.1	Specification for Fusion Welding for Aerospace Applications Seulement pour : <i>sections 5.4.8 et 7, excepté 7.4</i>
CSA-W47 .1	Certification of companies for fusion welding of steel Seulement pour : <i>9.10.2, 9.10.3, 9.15.4, et 11.6</i>
CSA-W47 .2	Certification of companies for fusion welding of aluminum Seulement pour : <i>sections 10.5, 10.6, 10.7 et 11.7</i>

(Revêtement et placage)

ASTM A90 & A90M	Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings
ASTM B137	Standard Test Method for Measurement of Coating Mass Per Unit Area on Anodically Coated Aluminum
ASTM B244	Standard Test Method for Measurement of Thickness of Anodic Coatings on Aluminum and of Other Nonconductive Coatings on Nonmagnetic Basis Metals with Eddy-Current Instruments
ASTM D2794	Standard test method for resistance of organic coatings to the effects of rapid deformation (Impact)
ASTM D3359	Standard Test Methods for Measuring Adhesion by Tape Test
ASTM D3363	Standard Test Method for Film Hardness by Pencil Test
ASTM D7091	Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
ASTM D968	Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive

Notes

ISO/IEC 17025:2017: Exigences générales concernant la compétence des laboratoires d'étalonnages et d'essais

ASME: American Society of Mechanical Engineers

ASTM: ASTM International

AWS: American Welding Society

CSA: Canadian Standards Association

SAE: Society of Automotive Engineers



Conseil canadien des normes
Standards Council of Canada

Le présent document fait partie du certificat d'accréditation délivré par le Conseil canadien des normes (CCN). La version originale est affichée dans le répertoire des laboratoires titulaires de l'accréditation du CCN sur le site Web du CCN au www.ccn.ca.

Elias Rafoul
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