



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	BLUEMAX MIG 308LSI
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER308LSi
Gas or Flux:	-
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules. Product is classified using the designation and classification requirements as specified in AWS A5.9M.

CANADIAN WELDING BUREAU

Registrar

LNC308LS.59

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	BLUEMAX MIG 309LSI
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER309LSi
Gas or Flux:	-
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules. Product is classified using the designation and classification requirements as specified in AWS A5.9M.

CANADIAN WELDING BUREAU

Registrar

LNC309LS.59

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	BLUEMAX MIG 316LSI
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER316LSi
Gas or Flux:	-
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules. Product is classified using the designation and classification requirements as specified in AWS A5.9M.

CANADIAN WELDING BUREAU

Registrar

LNC316LS.59

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company of Canada
Electrode Designation:	BlueMax MIG 385
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER385
Gas or Flux:	-
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

BLUEMAXMIG385

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company
Electrode Designation:	CRC 70S
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 3 C1 S6
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

CRC70S

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 308/308H-16
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E308-16 E308H-16
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCR308H

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 308/308L-17
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E308-17 E308L-17
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCB308L

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 308L-16
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E308L-16
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCR308L

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 309/309L-16
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E309-16 E309L-16
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCR309L

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 309/309L-17
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E309-17 E309L-17
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCB309L

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 316/316L-15
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E316-15 E316L-15
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 3.2

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCR316LVMR

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 316/316L-16
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E316-16 E316L-16
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCR316L

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 316/316L-17
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Stainless Steel)
Classification:	E316-17 E316L-17
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCB316L

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 7018 MR N
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	A5.1/A5.1M:2012
Classification:	E4918-H4R
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LINELEEALIBUR7018MRN

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 7018 MR
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Carbon Steel)
Classification:	E4918
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCEX18

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company
Electrode Designation:	Excalibur 7018 XMR
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Carbon Steel)
Classification:	E4918
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Others Details:

In addition, the diffusible hydrogen tests was conducted in accordance with the latest ISO 3690 or AWS A4.3 and within the limits sets by the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

EXCALIBUR7018XMR

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 7028
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Carbon Steel)
Classification:	E4928-H8
Gas or Flux:	N/A
Size (mm):	Min: 4.0 Max: 5.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCEX7028

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 8018-B2 MR
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Low-Alloy Steel)
Classification:	E5518-B2 (E8018-B2)
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.0

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNC8018B2MR

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 8018-C1 MR
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Low-Alloy Steel)
Classification:	E5518-C1-H4
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNC8018C1MR

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Excalibur 9018-B3 MR
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Low-Alloy Steel)
Classification:	E6218-B3 (E9018-B3)
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.0

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNC9018B3MR

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Fleetweld 47
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Carbon Steel)
Classification:	E4914
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNC14

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	INNERSHIELD NR-203 NICKEL (1%)
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E491T8-A3-Ni1-H16 (E491T8-Ni1-H16)
Gas or Flux:	None
Size (mm):	Min: 2.0 Max: 2.0

Others Details:

The impact properties was witnessed to testing at -30 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCT8N

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	INNERSHIELD NR-207
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E491T8-A3-K6-H16 (E491T8-K6-H16)
Gas or Flux:	None
Size (mm):	Min: 1.7 Max: 2.0

Others Details:

The impact properties was witnessed to testing at -30 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNC207

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	INNERSHIELD NR-211-MP
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T11-AZ-CS3-H16 (E491T-11-H16)
Gas or Flux:	None
Size (mm):	Min: 0.9 Max: 2.4

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNC211

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	INNERSHIELD NR-212
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E491TG-AZ-G-H16 (E491TG-G-H16)
Gas or Flux:	None
Size (mm):	Min: 1.1 Max: 2.4

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCNR212

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	INNERSHIELD NR-232
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T8-A3-CS3-H16 (E491T-8-H16)
Gas or Flux:	None
Size (mm):	Min: 1.7 Max: 2.0

Others Details:

The impact properties was witnessed to testing at -30 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCT8

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: December 12, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	INNERSHIELD NR-232-H
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T8-A3-CS3-H8 (E491T-8-H8)
Gas or Flux:	None
Size (mm):	Min: 1.7 Max: 1.8

Expiry date: **December 12, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

INNERSHIELDNR323H

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	INNERSHIELD NR-311
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E490T7-AZ-CS3 (E492T-7)
Gas or Flux:	None
Size (mm):	Min: 2.0 Max: 2.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCT7A

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: December 12, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	INNERSHIELD NR-555
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T8-A5-K8-H8
Gas or Flux:	None
Size (mm):	Min: 2.0 Max: 2.0

Expiry date: **December 12, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

INNERSHIELDNR555

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: December 12, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	INNERSHIELD NR-555
Point of Manufacture:	Mentor, Ohio, USA
Standard:	A5.29/A5.29M:2010
Classification:	E551T8-G (E81T8-G)
Gas or Flux:	None
Size (mm):	Min: 2.0 Max: 2.0

Expiry date: **December 12, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

INNERSHIELDNR555AWS

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: July 23, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company
Electrode Designation:	LINCOLN AUTO8
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER308Si ER308LSi
Gas or Flux:	-
Size (mm):	Min: 0.9 Max: 1.1

Expiry date: **July 23, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LINCOLNAUTO8

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: July 23, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company
Electrode Designation:	LINCOLN AUTO9
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER309Si ER309LSi
Gas or Flux:	-
Size (mm):	Min: 0.9 Max: 1.1

Expiry date: **July 23, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINCOLNAUTO9

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: January 17, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company
Electrode Designation:	Lincoln ER308/308L
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER308 ER308L
Gas or Flux:	-
Size (mm):	Min: 1.6 Max: 4.0

Expiry date: **January 17, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNTILincoln ER308

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: September 26, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Lincolnweld LAC-690
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	A5.23/A5.23M:2011
Classification:	F76A7-ECG-G-H4 (F11A10-ECG-G-H4)
Gas or Flux:	Lincolnweld 888 (made in USA)
Size (mm):	Min: 2.4 Max: 4.0

Expiry date: **September 26, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCLAC.888

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	METALSHIELD MC-90
Point of Manufacture:	Mentor, Ohio, USA
Standard:	A5.28/A5.28M:2005
Classification:	E62C-K3-H4 (E90C-K3-H4)
Gas or Flux:	Ar + 8%CO₂ TO 25%CO₂
Size (mm):	Min: 1.1 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCMC90

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	METALSHIELD MC-110
Point of Manufacture:	Mentor, Ohio, USA
Standard:	A5.28/A5.28M:2005
Classification:	E76C-K4-H4 (E110C-K4-H4)
Gas or Flux:	Ar + 8%CO₂ TO 25%CO₂
Size (mm):	Min: 1.1 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCMC110

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Murematic S-6
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 3 C1 S6
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUMS6

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	MUREX 308LSI
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER308LSi
Gas or Flux:	-
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules. Product is classified using the designation and classification requirements as specified in AWS A5.9M.

CANADIAN WELDING BUREAU

Registrar

LNC308LS.59

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	MUREX 309LSI
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER309LSi
Gas or Flux:	-
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules. Product is classified using the designation and classification requirements as specified in AWS A5.9M.

CANADIAN WELDING BUREAU

Registrar

LNC309LS.59

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	MUREX 316LSI
Point of Manufacture:	Mentor, Ohio, USA
Standard:	W48-18 (GMAW/GTAW Stainless Steel)
Classification:	ER316LSi
Gas or Flux:	-
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules. Product is classified using the designation and classification requirements as specified in AWS A5.9M.

CANADIAN WELDING BUREAU

Registrar

LNC316LS.59

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	OUTERSHIELD 70
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E490T1-C1A3-CS1-H16 (E492T-9-H16)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.6 Max: 2.4

Others Details:

The impact properties was witnessed to testing at -30 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNC2T9

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	OUTERSHIELD 71M
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-GA4-CS1-H16 (E491T-9MJ-H16)
Gas or Flux:	All-Core
Size (mm):	Min: 0.9 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNC71M.ALL

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	OUTERSHIELD 71M
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-C1A4-CS1-H16 (E491T-9J-H16) E491T1-M21A4-CS1-H16 (E491T-9MJ-H16)
Gas or Flux:	C1 (100%CO₂) M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 0.9 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNC71MM21C1

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 10, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	OUTERSHIELD 91K2-H
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E621T1-M20A2-K2-H8 (E621T1-K2M-H8)
Gas or Flux:	M20 (Ar + 15%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -20 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 10, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNC91K2HM20

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Pipeliners 8P+
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Low-Alloy Steel)
Classification:	E5510-P1
Gas or Flux:	N/A
Size (mm):	Min: 2.5 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCP8PP

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Pipeliner 16P
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Carbon Steel)
Classification:	E4916-H4
Gas or Flux:	N/A
Size (mm):	Min: 2.5 Max: 4.0

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCPL16P

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	Pipelinex 80Ni1
Point of Manufacture:	Mentor, Ohio, USA
Standard:	A5.28/A5.28M:2005
Classification:	ER55S-G (ER80S-G)
Gas or Flux:	Ar + 20%CO₂
Size (mm):	Min: 1.0 Max: 1.2

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCLPL80Ni1

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company
Electrode Designation:	Pipeliner Arc 80
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	A5.5/A5.5M:2014
Classification:	E5510-P1
Gas or Flux:	N/A
Size (mm):	Min: 3.2 Max: 5.0

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCARC80

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Praxair Canada Inc
Electrode Designation:	Prostar S-6
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 3 C1 S6
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCPROSTARS6

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Lincoln Electric Company
Electrode Designation:	Radnor ER70S-6
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 3 C1 S6
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

RADNORER70S6

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name: **MESSER CANADA INC.**
Electrode Designation: **SOLIDSTRIKE 110 MSS E6010-IP**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4310**
Gas or Flux: **N/A**
Size (mm): **Min: 2.4 Max: 6.4**

Expiry date: **April 30, 2021**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINC10

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name: **MESSER CANADA INC.**
Electrode Designation: **SOLIDSTRIKE 110 MSS E6011**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4311**
Gas or Flux: **N/A**
Size (mm): **Min: 2.4 Max: 4.0**

Expiry date: **April 30, 2021**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINC11

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	Messer Canada Inc.
Electrode Designation:	SolidSTRIKE 110 MSS E6013 MR
Point of Manufacture:	Cleveland, Ohio, USA
Standard:	W48-18 (SMAW Carbon Steel)
Classification:	E4914
Gas or Flux:	N/A
Size (mm):	Min: 2.4 Max: 4.8

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINC14

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name: **MESSER CANADA INC.**
Electrode Designation: **SOLIDSTRIKE 110 MSS E6013 V**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4313**
Gas or Flux: **N/A**
Size (mm): **Min: 2.0 Max: 4.0**

Expiry date: **April 30, 2021**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINC13V

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name: **MESSER CANADA INC.**
Electrode Designation: **SOLIDSTRIKE 110 MSS E7018 AC**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-H8**
Gas or Flux: **N/A**
Size (mm): **Min: 2.4 Max: 4.0**

Others Details:

In addition, the diffusible hydrogen tests was conducted in accordance with the latest ISO 3690 or AWS A4.3 and within the limits sets by the standard above.

Expiry date: **April 30, 2021**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINC18AC

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name: **MESSER CANADA INC.**
Electrode Designation: **SOLIDSTRIKE 110 MSS E7018 EXTRA**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-H8**
Gas or Flux: **N/A**
Size (mm): **Min: 2.4 Max: 4.0**

Others Details:

In addition, the diffusible hydrogen tests was conducted in accordance with the latest ISO 3690 or AWS A4.3 and within the limits sets by the standard above.

Expiry date: **April 30, 2021**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINCEXTRA

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name: **MESSER CANADA INC.**
Electrode Designation: **SOLIDSTRIKE 110 MSS E7018-1 MR**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-1**
Gas or Flux: **N/A**
Size (mm): **Min: 2.4 Max: 4.8**

Expiry date: **April 30, 2021**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINC18-1MRP

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name: **MESSER CANADA INC.**
Electrode Designation: **SOLIDSTRIKE 110 MSS E7024 IP**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4924-1**
Gas or Flux: **N/A**
Size (mm): **Min: 3.2 Max: 6.4**

Expiry date: **April 30, 2021**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LINC24

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2019

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	SuperArc L-50
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 3 C1 S3
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCL50.CU

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	SuperArc L-56
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 3 C1 S6
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.8 Max: 1.6

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCL56.CU

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	SuperGlide S3
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 2 C1 S3
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.9 Max: 1.1

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCSGS3NCU

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	Lincoln Electric Company Of Canada LP
Electrode Designation:	SuperGlide S6
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (GMAW Carbon Steel)
Classification:	B-G 49A 3 C1 S6
Gas or Flux:	C1 (100%CO₂) (and with gases allowed in CSA W48)
Size (mm):	Min: 0.9 Max: 1.1

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCSGS6.NCU

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 70C
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E490T1-C1A3-CS1-H8 (E492T-9-H8)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.6 Max: 2.4

Others Details:

The impact properties was witnessed to testing at -30 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCULTRACORE70C

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 71A75 DUAL
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-C1A3-CS1-H8 (E491T-9-H8)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -30 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCULTRACORE71A75C1

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 71A75 DUAL
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-M21A3-CS1-H8 (E491T-9M-H8)
Gas or Flux:	M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -30 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCULTRACORE71A75M21

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 75C
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E490T5-C1A4-CS1-H4 (E492T-5J-H4)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.6 Max: 2.4

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCULTRACORE75C

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: December 12, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	ULTRACORE 80Ni1C
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E550T1-C1A4-Ni1-H8 (E550T1-Ni1C-H8)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.6 Max: 2.4

Expiry date: **December 12, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC80Ni1CJH8

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 81K2C-H
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T1-C1A4-K2-H4 (E551T1-K2C-JH4)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -45 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC81K2C

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 81NI1A75-H
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T1-M21A5-Ni1-H4 (E551T1-Ni1M-JH4)
Gas or Flux:	M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC81NI1A75H

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 81Ni1C-H PLUS
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T1-C1A5-Ni1-H4 (E551T1-Ni1C-JH4)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -50 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LINELEULTRACORE81Ni1C-H PLUS

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 81NI1C-H
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T1-C1A4-Ni1-H4 (E551T1-Ni1C-JH4)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC81NI1CH

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 81Ni1M-H PLUS
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T1-M21A5-Ni1-H4 (E551T1-Ni1M-JH4)
Gas or Flux:	M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -50 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LINELEULTRACORE81Ni1M-H PLUS

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 81Ni2A75-H
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T1-M21A5-Ni2-H4 (E551T1-Ni2M-JH4)
Gas or Flux:	M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -50 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC81Ni2A75H

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 81Ni2C-H
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Low-Alloy Steel)
Classification:	E551T1-C1A5-Ni2-H4 (E551T1-Ni2C-JH4)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -50 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC81Ni2CH

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: September 25, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY
Electrode Designation:	ULTRACORE 91K2C-H PLUS
Point of Manufacture:	Mentor, Ohio, USA
Standard:	A5.29/A5.29M:2010
Classification:	E621T1-K2C-JH4 (E91T1-K2C-JH4)
Gas or Flux:	100%CO₂
Size (mm):	Min: 1.1 Max: 1.6

Expiry date: **September 25, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

ULTRAC91K2CHPLUS

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 712A80-H PLUS
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-M21A5-CS2-H4 (E491T-12MJ-H4)
Gas or Flux:	M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -50 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LINELEULTRACORE712A80HPLUS

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 712C
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-C1A4-CS1-H8 (E491T-9J-H8)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC712C9J

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE 712C
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-C1A4-CS2-H8 (E491T-12J-H8)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUC712C12J

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has satisfied itself on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE HD-12C
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-C1A4-CS1-H8 (E491T-9J-H8)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUCHD12C9J

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.

Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE HD-12C
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-C1A4-CS2-H8 (E491T-12J-H8)
Gas or Flux:	C1 (100%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU



Registrar

LNCUCHD12C12J

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.



Effective Date: April 30, 2020

CERTIFICATION OF WELDING CONSUMABLE

This is to advise you the Canadian Welding Bureau has witnessed tests on the following :

Company Name:	LINCOLN ELECTRIC COMPANY OF CANADA LP
Electrode Designation:	ULTRACORE HD-12M
Point of Manufacture:	Mentor, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel)
Classification:	E491T1-M21A4-CS2-H8 (E491T-12MJ-H8)
Gas or Flux:	M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 1.1 Max: 1.6

Others Details:

The impact properties was witnessed to testing at -40 degree C and the values met the requirements specified in the standard above.

Expiry date: **April 30, 2022**

This certification, may be extended by meeting the check test requirements of the applicable standard and CWB rules.

CANADIAN WELDING BUREAU

Registrar

LNCUCHD12M

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC Guide 67, *Conformity assessment — Fundamentals of product certification*, System 5.