



Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY OF CANADA LP**
Electrode Designation: **ARCWELD 230**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4311**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

ARCC230

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.



8260 Parkhill Drive, Milton, Ontario L9T 5V7
Tel: 1.800.844.6790 info@cwbgroup.org
Fax: 905.542.1318 www.cwbgroup.org



Date: January 09, 2020

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: **BLUEMAX MIG 308L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER308**
ER308L
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 0.9**

Expiry date: **January 17, 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
BLUEMAXMIG308L

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.



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Date: January 09, 2020

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: **BLUEMAX MIG 309L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER309**
ER309L
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **January 17, 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

BLUEMAXMIG309L

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 310**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER310**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTTechalloy310

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.



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Date: January 09, 2020

Effective Date: January 17, 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 312**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER312**
Gas or Flux: **-**
Size (mm): **Min: 1.0 Max: 1.6**

Expiry date: **January 17, 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
LNTTechalloy312

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.



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Date: January 09, 2020

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: **BLUEMAX MIG 316L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER316**
ER316L
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 1.6**

Expiry date: **January 17, 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

BLUEMAXMIG316L

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **BLUEMAX MIG 317L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER317**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTBlueMax317

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 317L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER317L**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTTechalloy317L

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 320LR**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER320LR**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTTechalloy320LR

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 330**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER330**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.1**

Expiry date: **October 25, 2021**

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
LNTTechalloy330

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 347**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER347**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTTechalloy347

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 410**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER410**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTTechalloy410

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 630**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER630**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTTechalloy630

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 2209**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER2209**
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTTechalloy2209

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.*



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Date: January 09, 2020

Effective Date: October 25, 2019

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 2594**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER2594**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTTechalloy2594

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.



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Date: August 27, 2019

Effective Date: April 30, 2019

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 LA-75**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.23/A5.23M:2011**
Classification: **F55A3-ENi1K-Ni1-H4 (F8A2-ENi1K-Ni1-H4)**
Gas or Flux: **Lincolnweld 960 (made in USA)**
Size (mm): **Min: 2.0 Max: 5.0**

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

LNCSA75.960

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.*



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Date: May 09, 2019

Effective Date: April 30, 2019

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 LA-90**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **A5.28/A5.28M:2005**
Classification: **ER62S-D2 (ER90S-D2)**
Gas or Flux: **Ar + 10%CO₂**
Size (mm): **Min: 0.9 Max: 1.6**

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

LNCLA90

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 LA-90**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **A5.28/A5.28M:2005**
Classification: **ER55S-D2 (ER80S-D2)**
Gas or Flux: **100%CO₂**
Size (mm): **Min: 0.9 Max: 1.6**

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

LNCLA90.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.



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Date: August 28, 2019

Effective Date: April 30, 2019

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: **ARCWELD EASYARC 528 MR**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-1-H4**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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, 2021**

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

CANADIAN WELDING BUREAU

Registrar

ARC528MR

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.*



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Date: May 09, 2019

Effective Date: April 30, 2019

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 RED MAX 308LSI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER308LSi**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax308LSi

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.



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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: **LINCOLN ELECTRIC COMPANY**
Electrode Designation: **LINCOLN RED MAX 308SI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER308Si**
Gas or Flux:
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax308Si

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.



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Date: May 09, 2019

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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 RED MAX 309LSI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER309LSi**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax309LSi

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY**
Electrode Designation: **LINCOLN RED MAX 309Si**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER309Si**
Gas or Flux:
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax309Si

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Date: May 09, 2019

Effective Date: April 30, 2019

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 RED MAX 316LSI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER316LSi**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax316LSi

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY**
Electrode Designation: **LINCOLN RED MAX 316SI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER316Si**
Gas or Flux:
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax316Si

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.



8260 Parkhill Drive, Milton, Ontario L9T 5V7
Tel: 1.800.844.6790 info@cwbgroup.org
Fax: 905.542.1318 www.cwbgroup.org



Date: January 09, 2020

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: **LINCOLNWELD 308/308L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER308**
ER308L
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 0.9**

Expiry date: **January 17, 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

LNTILincolnweld308

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.



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Fax: 905.542.1318 www.cwbgroup.org



Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 617**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiCrCoMo-1**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 4.0**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy617

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.*



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Date: November 05, 2019

Effective Date: April 30, 2019

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 FC 308L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E308LT0-1**
Gas or Flux: **100%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar

LNMFC308L-1

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.



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Date: November 05, 2019

Effective Date: April 30, 2019

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 FC 308L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E308LT0-4**
Gas or Flux: **Ar + 20%CO₂ TO 25%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar
LNMFC308L-4

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.



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Date: November 05, 2019

Effective Date: April 30, 2019

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 FC 309L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E309LT0-1**
Gas or Flux: **100%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar

LNMFC309L-1

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.



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Fax: 905.542.1318 www.cwbgroup.org



Date: November 05, 2019

Effective Date: April 30, 2019

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 FC 309L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E309LT0-4**
Gas or Flux: **Ar + 20%CO₂ TO 25%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar
LNMFC309L-4

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.



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Date: November 05, 2019

Effective Date: April 30, 2019

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 FC 316L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E316LT0-1**
Gas or Flux: **100%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar

LNMF316L-1

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.



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Date: November 05, 2019

Effective Date: April 30, 2019

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 FC 316L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E316LT0-4**
Gas or Flux: **Ar + 20%CO₂ TO 25%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar
LNMFC316L-4

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.



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Date: November 05, 2019

Effective Date: April 30, 2019

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 FCP 308L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E308LT1-1**
Gas or Flux: **100%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar

LNMFCP308L-1

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.



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Date: November 05, 2019

Effective Date: April 30, 2019

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 FCP 308L**
Point of Manufacture: **Mason, Ohio, USA**
Standard: **W48-18 (FCAW Stainless Steel)**
Classification: **E308LT1-4**
Gas or Flux: **Ar + 20%CO₂ TO 25%CO₂**
Size (mm): **Min: 1.1 Max: 1.6**

Expiry date: **April 30, 2021**

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 A5.22M.

CANADIAN WELDING BUREAU

Registrar
LNMFCP308L-4

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 71C**
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:

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCULTRACORE71C

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-A1 MR**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.5/A5.5M:2014**
Classification: **E4918-A1-H4R**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC7018A1MR

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-C3 MR**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Low-Alloy Steel)**
Classification: **E5518-C3-H4**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNC8018C3MR

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.*



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Date: May 09, 2019

Effective Date: April 30, 2019

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 5P**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4310**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC5P

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 5P+**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4310**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC5PP

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 35+**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4311**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC35P

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 37**
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: 4.8**

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

LNC37

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.



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Fax: 905.542.1318 www.cwbgroup.org



Date: May 09, 2019

Effective Date: April 30, 2019

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 37+**
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

LNC37P

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 180**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4311**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC180

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-203MP**
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: 2.0**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNC203MP

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.



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Tel: 1.800.844.6790 info@cwbgroup.org
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Date: February 01, 2019

Effective Date: December 12, 2018

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**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

Expiry date: **December 12, 2020**

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.*



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Date: February 01, 2019

Effective Date: December 12, 2018

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: **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, 2020**

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **JETWELD 1**
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

LNCJW1

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **JETWELD 2**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4327**
Gas or Flux: **N/A**
Size (mm): **Min: 4.8 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

LNCJW2

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.



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Fax: 905.542.1318 www.cwbgroup.org



Date: May 09, 2019

Effective Date: April 30, 2019

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: **JETWELD LH-70**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-1**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC70

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **JETWELD LH-78 MR**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-1**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC78

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER320LR**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER320LR**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LTNLincoln320LR

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **LINCOLN 7018 AC**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-H8**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC18AC

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.



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Date: July 05, 2019

Effective Date: June 19, 2019

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: **June 19, 2020**

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
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.



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Fax: 905.542.1318 www.cwbgroup.org



Date: July 05, 2019

Effective Date: June 19, 2019

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: **June 19, 2020**

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

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **LINCOLN ER70S-2**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GTAW/PAW Carbon Steel)**
Classification: **ER49S-2 (ER480S-2)**
Gas or Flux: **100% Ar**
Size (mm): **Min: 1.6 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

LNCER70S.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.



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Date: January 09, 2020

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: 0.8 Max: 0.9**

Expiry date: **January 17, 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
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.



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Date: January 09, 2020

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 ER309/309L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER309**
ER309L
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **January 17, 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
LNTLincoln309

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER310**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER310**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTLincoln310

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.*



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Date: January 09, 2020

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 ER312**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER312**
Gas or Flux: **-**
Size (mm): **Min: 1.0 Max: 1.6**

Expiry date: **January 17, 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
LNTLincoln312

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.*



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Date: January 09, 2020

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 ER316/316L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER316**
ER316L
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 1.6**

Expiry date: **January 17, 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

LNTLincoln316

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER317/317L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER317**
ER317L
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTLincoln317

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER347**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER347**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincoln347

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*.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER410**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER410**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincoln410

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER630**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER630**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTLincoln630

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.*



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER2209**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER2209**
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincoln2209

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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 ER2594**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER2594**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincoln2594

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.*



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Date: May 09, 2019

Effective Date: April 30, 2019

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 RED MAX 308LSI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER308LSi**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax308LSi

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY**
Electrode Designation: **LINCOLN RED MAX 308SI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER308Si**
Gas or Flux:
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax308Si

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 RED MAX 309LSI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER309LSi**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax309LSi

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY**
Electrode Designation: **LINCOLN RED MAX 309SI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER309Si**
Gas or Flux:
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax309Si

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Date: May 09, 2019

Effective Date: April 30, 2019

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 RED MAX 316LSI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER316LSi**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax316LSi

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY**
Electrode Designation: **LINCOLN RED MAX 316SI**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER316Si**
Gas or Flux:
Size (mm): **Min: 0.9 Max: 1.6**

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

LERedMax316Si

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.



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Date: January 09, 2020

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: **LINCOLNWELD 308/308L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER308**
ER308L
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 0.9**

Expiry date: **January 17, 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

LNTILincolnweld308

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.



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Date: January 09, 2020

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: **LINCOLNWELD 309/309L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER309**
ER309L
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **January 17, 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
LNTLincolnweld309

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **LINCOLNWELD 310**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER310**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTLincolnweld310

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.



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Date: January 09, 2020

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: **LINCOLNWELD 316/316L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER316**
ER316L
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 1.6**

Expiry date: **January 17, 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

LNTLincolnweld316

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **LINCOLNWELD 317/317L**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER317**
ER317L
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTLincolnweld317

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **LINCOLNWELD 320LR**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER320LR**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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
LNTLincolnweld320LR

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.*



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **LINCOLNWELD 347**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER347**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincolnweld417

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **LINCOLNWELD 630**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER630**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincolnweld630

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **LINCOLNWELD 2209**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER2209**
Gas or Flux: **-**
Size (mm): **Min: 0.8 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincolnweld2209

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.



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Date: January 09, 2020

Effective Date: October 25, 2019

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: **LINCOLNWELD 2594**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW/GTAW Stainless Steel)**
Classification: **ER2594**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

LNTLincolnweld2594

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.



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Date: December 24, 2019

Effective Date: August 01, 2019

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 L-70**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.23/A5.23M:2011**
Classification: **F62A2-EA1-G-H8 (F9A0-EA1-G-H8)**
Gas or Flux: **Lincolnweld 761 (made in USA)**
Size (mm): **Min: 2.0 Max: 5.0**

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: **August 1, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNCL70.761

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.*



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Date: May 09, 2019

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: **LINDE CANADA LIMITED**
Electrode Designation: **LINDE E6010-IP**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4310**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 Max: 6.0**

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

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.



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Date: May 09, 2019

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: **LINDE CANADA LIMITED**
Electrode Designation: **LINDE E6011**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4311**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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.



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Date: May 09, 2019

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: **LINDE CANADA LIMITED**
Electrode Designation: **LINDE 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.



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Date: May 09, 2019

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: **LINDE CANADA LIMITED**
Electrode Designation: **LINDE 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: 2.5 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.*



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Date: May 09, 2019

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: **LINDE CANADA LIMITED**
Electrode Designation: **LINDE 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.



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Date: May 09, 2019

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: **LINDE CANADA LIMITED**
Electrode Designation: **LINDE EXTRA**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-H8**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-710XL**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T15-M20A3-CS1-H8 (E491C-6M-H8)**
Gas or Flux: **M20 (Ar + 8%CO₂)**
Size (mm): **Min: 1.1 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNC710XL928

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-710XL**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T15-M21A3-CS1-H4 (E491C-6M-H8)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.1 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNC710XL7525

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.



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Date: May 14, 2019

Effective Date: April 30, 2019

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-710XL**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T15-M20A3-CS1-H8 (E491C-6M-H8)**
E491T15-M21A3-CS1-H8 (E491C-6M-H8)
Gas or Flux: **M20 (Ar + 8%CO₂)**
M21 (Ar + 20% to 25%CO₂)
Size (mm): **Min: 1.1 Max: 1.6**

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

LNC710XL7525928

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.



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Fax: 905.542.1318 www.cwbgroupp.org



Date: May 10, 2019

Effective Date: April 30, 2019

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: **MILLENNIUM ARC 7018-1**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4918-1-H4**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 Max: 6.4**

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

LNCMILLENIUM7018

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-M21A2-K2-H8 (E621T1-K2M-H8)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.1 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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 30, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNC91K2HM21

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY OF CANADA LP**
Electrode Designation: **PIPELINER 6P+**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Carbon Steel)**
Classification: **E4310**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC10

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.



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Tel: 1.800.844.6790 info@cwbgroup.org
Fax: 905.542.1318 www.cwbgroup.org



Date: June 19, 2019

Effective Date: June 19, 2019

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 81M**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Low-Alloy Steel)**
Classification: **E551T1-M21A4-K11-H4 (E81T1-GM-H4)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.2 Max: 1.2**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

Expiry date: **June 19, 2020**

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

CANADIAN WELDING BUREAU

Registrar

PIPELINER81MM21

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **SHIELD-ARC 70+**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Low-Alloy Steel)**
Classification: **E5510-G**
Gas or Flux: **N/A**
Size (mm): **Min: 3.2 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

LNC70PLS

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **SHIELD-ARC 85**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Low-Alloy Steel)**
Classification: **E4910-A1**
Gas or Flux: **N/A**
Size (mm): **Min: 2.5 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

LNC85

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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: **SHIELD-ARC HYP+**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **W48-18 (SMAW Low-Alloy Steel)**
Classification: **E4910-P1**
Gas or Flux: **N/A**
Size (mm): **Min: 3.2 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

LNCHYPP

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-58**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW Carbon Steel)**
Classification: **B-G 49A 2 C1 S3 (B-G 49A 2 C G3)**
Gas or Flux: **C1 (100%CO₂) (and with gases allowed in CSA W48)**
Size (mm): **Min: 0.9 Max: 1.6**

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
LNCL58

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-59**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **W48-18 (GMAW Carbon Steel)**
Classification: **B-G 49A 3 C1 S6 (B-G 49A 3 C G6)**
Gas or Flux: **C1 (100%CO₂) (and with gases allowed in CSA W48)**
Size (mm): **Min: 0.9 Max: 1.6**

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
LNCL59

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 LA-75**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **A5.28/A5.28M:2005**
Classification: **ER55S-Ni1 (ER80S-Ni1)**
Gas or Flux: **Ar + 8%CO₂**
Size (mm): **Min: 0.9 Max: 1.3**

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

LNC75NI1ACU928

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 LA-75**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **A5.28/A5.28M:2005**
Classification: **ER55S-Ni1 (ER80S-Ni1)**
Gas or Flux: **Ar + 10%CO₂**
Size (mm): **Min: 0.9 Max: 1.3**

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

LNC75NI1ACU9010

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 LA-90**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **A5.28/A5.28M:2005**
Classification: **ER62S-D2 (ER90S-D2)**
Gas or Flux: **Ar + 5%O2**
Size (mm): **Min: 0.9 Max: 1.6**

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

LNC90D2.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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 LA-100**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **A5.28/A5.28M:2005**
Classification: **ER69S-G (ER100S-G)**
Gas or Flux: **Ar + 2%O2**
Size (mm): **Min: 0.9 Max: 1.6**

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
LNC100G.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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 LA-100**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **A5.28/A5.28M:2005**
Classification: **ER69S-G (ER100S-G)**
Gas or Flux: **Ar + 5%CO₂**
Size (mm): **Min: 0.9 Max: 1.6**

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

LNC100GC.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.



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 208**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNi-1**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 3.2**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy208

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.



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 276**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiCrMo-4**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 4.0**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy276

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.*



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 413**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.7/A5.7M:2007**
Classification: **ERCuNi**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 3.2**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy413

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.*



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 418**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiCu-7**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 4.0**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy418

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.*



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 606**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiCr-3**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 4.0**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy606

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.*



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Fax: 905.542.1318 www.cwbgroup.org



Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 622**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiCrMo-10**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 3.2**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy622

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.*



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 625**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiCrMo-3**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 4.0**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy625

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.*



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Fax: 905.542.1318 www.cwbgroup.org



Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 625HWT**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiCrMo-3**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 1.6**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy625HWT

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.



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 718**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiFeCr-2**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 3.2**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy718

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.*



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Date: January 08, 2020

Effective Date: October 25, 2019

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: **TECHALLOY 825**
Point of Manufacture: **Cleveland, Ohio, USA**
Standard: **A5.14/A5.14M:2018**
Classification: **ERNiFeCr-1**
Gas or Flux: **-**
Size (mm): **Min: 0.9 Max: 3.2**

Expiry date: **October 25, 2021**

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

CANADIAN WELDING BUREAU

Registrar

LNTTechalloy825

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.



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Tel: 1.800.844.6790 info@cwbgroup.org
Fax: 905.542.1318 www.cwbgroup.org



Date: July 05, 2019

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: **LINCOLN ELECTRIC COMPANY OF CANADA LP**
Electrode Designation: **ULTRACORE 70M**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E490T1-M21A2-CS1-H8 (E492T-1M-H8)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.6 Max: 2.4**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

ULTRACORE70M1M

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.



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Tel: 1.800.844.6790 info@cwbgroup.org
Fax: 905.542.1318 www.cwbgroup.org



Date: July 05, 2019

Effective Date: April 30, 2019

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 70M**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E490T1-M21A3-CS1-H8 (E492T-9M-H8)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.6 Max: 2.4**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

ULTRACORE70M

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 71A85**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T1-M20A3-CS1-H8 (E491T-9M-H8)**
Gas or Flux: **M20 (Ar + 15%CO₂)**
Size (mm): **Min: 1.1 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCH71A8515CO2

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.



8260 Parkhill Drive, Milton, Ontario L9T 5V7
Tel: 1.800.844.6790 info@cwbgrouop.org
Fax: 905.542.1318 www.cwbgrouop.org



Date: May 09, 2019

Effective Date: April 30, 2019

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 71A85**
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:

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCH71A8525CO2

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.



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Date: February 01, 2019

Effective Date: December 12, 2018

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**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

Expiry date: **December 12, 2020**

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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 91K2M-H PLUS**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Low-Alloy Steel)**
Classification: **E621T1-M21A5-K2-H4 (E91T1-M21A6-K2-H4)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.2 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

UC91K2MHP

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY OF CANADA LP**
Electrode Designation: **ULTRACORE 712A80**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T1-M21A4-CS1-H8 (E491T-9MJ-H8)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.1 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCUC712A80.19MJ

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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**
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:

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCUC712A80.112MJ

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.



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Date: May 09, 2019

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: **LINCOLN ELECTRIC COMPANY OF CANADA LP**
Electrode Designation: **ULTRACORE 712A80-H**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T1-M21A4-CS1-H4 (E491T-9MJ-H4)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.1 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCUC712A80H9MJ

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T1-M21A4-CS2-H4 (E491T-12MJ-H4)**
Gas or Flux: **M21 (Ar + 20% to 25%CO₂)**
Size (mm): **Min: 1.1 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCUC712A80H12MJ

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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-H PLUS**
Point of Manufacture: **Mentor, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T1-C1A5-CS2-H4 (E491T-12J-H4)**
Gas or Flux: **C1 (100%CO₂)**
Size (mm): **Min: 1.6 Max: 1.6**

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCUC712C-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.



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Date: May 09, 2019

Effective Date: April 30, 2019

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-M**
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:

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. Product is classified using the designation and classification requirements as specified in AWS A5.36M.

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

LNCUCHDM9M

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.



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