

Effective Date: May 20, 2020

CERTIFICATION OF WELDING CONSUMABLE

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

Company Name: **HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS
(PLANT 1)**

Electrode Designation: **FABCO EXCEL-ARC 71**

Point of Manufacture: **Piqua, Ohio, USA**

Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**

Classification: **E491T1-C1A3-CS1-H8 (E491T-9-H8)
E491T1-M20A3-CS1-H8 (E491T-9M-H8)
E491T1-M21A3-CS1-H8 (E491T-9M-H8)
M21**

Gas or Flux: **C1 (100%CO₂)
M20 (Ar + 15%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: **May 20, 2022**

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

CANADIAN WELDING BUREAU



Registrar

PFABCOEXCELARC718515PROC1

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.



Date: May 19, 2019

Effective Date: March 21, 2019

CERTIFICATION OF WELDING CONSUMABLE

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

Company Name: **HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS
(PLANT 1)**
Electrode Designation: **FABCO EXCEL-ARC 71**
Point of Manufacture: **Piqua, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T1-GA3-CS1-H8 (E491T-9M-H8)**
Gas or Flux: **Ferroline He20 C12 (Argoshield Pro)**
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: **March 21, 2021**

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

CANADIAN WELDING BUREAU

Registrar

PFABCOEXCELARC71ARGOSHIELDPROC1

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: May 19, 2019

Effective Date: March 31, 2019

CERTIFICATION OF WELDING CONSUMABLE

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

Company Name: **HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS
(PLANT 1)**
Electrode Designation: **FABCO EXCEL-ARC 71**
Point of Manufacture: **Piqua, Ohio, USA**
Standard: **CSA W48-18 (FCAW/MCAW Carbon Steel)**
Classification: **E491T1-GA3-CS1-H8 (E491T-9M-H8)**
Gas or Flux: **Linde Mison 15C
Linde Mison 25C**
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: **March 31, 2021**

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

CANADIAN WELDING BUREAU

Registrar

PFABCOEXCELARC71MISON15C25C

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: October 19, 2020

CERTIFICATION OF WELDING CONSUMABLE

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

Company Name:	Hobart Brothers LLC, Tubular Wire Business (Plant 2)
Electrode Designation:	FabCO Excel-Arc 71
Point of Manufacture:	Troy, Ohio, USA
Standard:	CSA W48-18 (FCAW/MCAW Carbon Steel) E491T1-C1A3-CS1-H8 (E491T-9-H8) E491T1-GA3-CS1-H8 (E491T-9M-H8) E491T1-M20A3-CS1-H8 (E491T-9M-H8) E491T1-M21A3-CS1-H8 (E491T-9M-H8)
Classification:	M21 C1 (100%CO₂)
Gas or Flux:	M20 (Ar + 15%CO₂) Ozoline C25 (Linde Mison 25C) Ferroline He20 C12 (Argoshield Pro)
Size (mm):	Min: 1.2 Max: 1.6

Expiry date: **October 19, 2022**

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

CANADIAN WELDING BUREAU

Registrar

FABCOEXCELARC71C1M20ARGOSHIELDPRO
MISON15C25C

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.