



Effective Date: May 20, 2020

### **CERTIFICATION OF WELDING CONSUMABLE**

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

**Hobart Brothers LLC, Tubular Wire Business (Plant 1)** Company Name:

FabCOR 86R Electrode Designation:

Point of Manufacture: Piqua, Ohio, USA

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

E491T15-GA4-CS1-H4 (E491C-6MJ-H4)

E491T15-M12A4-CS1-H4 (E491C-6MJ-H4)

Classification: E491T15-M20A4-CS1-H4 (E491C-6MJ-H4)

> E491T15-M21A4-CS1-H4 (E491C-6MJ-H4) E491T15-M22A4-CS1-H4 (E491C-6MJ-H4)

M20

Mig Mix Gold

Gas or Flux: M22 (Ar + 5%O2)

M12 (Ar + 5%CO<sub>2</sub>)

M21 (Ar + 20% to 25%CO<sub>2</sub>)

Min: 1.2 Max: 1.6 Size (mm):

> 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

**TMM76** 



Date: October 27, 2020

Effective Date: May 20, 2020

# **CERTIFICATION OF WELDING CONSUMABLE**

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

Company Name: Hobart Brothers LLC, Tubular Wire Business (Plant 1)

Electrode Designation: FabCOR 86R

Point of Manufacture: Piqua, Ohio, USA

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

Classification: E491T15-GA4-CS1-H4 (E491C-6MJ-H4)

Ferroline C8 (Argoshield 8C)

Gas or Flux: Ferroline C15 (Argoshield GP)

Ferroline C25 (Argoshield 25C)

Size (mm): Min: 1.2 Max: 1.6

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

**FABCOR86RARGOS** 





Effective Date: March 22, 2020

### **CERTIFICATION OF WELDING CONSUMABLE**

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

HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS

Electrode Designation: (PLANT 1)

FABCOR 86R

Point of Manufacture: Piqua, Ohio, USA

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

Classification: E491T15-GA4-CS1-H4 (E491C-6MJ-H4)

Gas or Flux: Ozoline C8 (Linde Mison 8C)
Ozoline C15 (Linde Mison 15C)

Size (mm): Min: 1.2 Max: 1.6

### Others Details:

Company Name:

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 22, 2022

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

**CANADIAN WELDING BUREAU** 

Registrar

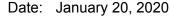
HBPMETC6.1













Effective Date: February 27, 2020

# **CERTIFICATION OF WELDING CONSUMABLE**

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

HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS

(PLANT 3)

Electrode Designation: FABCOR 86R

Point of Manufacture: Troy, Ohio, USA

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

Classification: E491T15-GA4-CS1-H4 (E491C-6MJ-H4)

Gas or Flux: Mig Mix Gold

Size (mm): Min: 0.9 Max: 1.6

#### Others Details:

Company Name:

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: February 27, 2022

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

**CANADIAN WELDING BUREAU** 

Registrar

FABCOR86RMIGMIXGOLD

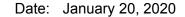














Company Name:

Effective Date: February 27, 2020

# **CERTIFICATION OF WELDING CONSUMABLE**

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

HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS

(PLANT 3)

Electrode Designation: FABCOR 86R

Point of Manufacture: Troy, Ohio, USA

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

E491T15-M12A4-CS1-H4 (E491C-6MJ-H4)

Classification: **E491T15-M20A4-CS1-H4 (E491C-6MJ-H4)** 

E491T15-M21A4-CS1-H4 (E491C-6MJ-H4) E491T15-M22A4-CS1-H4 (E491C-6MJ-H4)

M20

Gas or Flux: M22 (Ar + 5%O2)

M12 (Ar +  $5\%CO_2$ )

M21 (Ar + 20% to 25%CO<sub>2</sub>)

Size (mm): Min: 0.9 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: February 27, 2022

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

CANADIAN WELDING BUREAU

Registrar

KCFABCOR86R

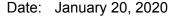














Effective Date: February 27, 2020

# **CERTIFICATION OF WELDING CONSUMABLE**

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

HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS

(PLANT 3)

Electrode Designation: FABCOR 86R

Point of Manufacture: Troy, Ohio, USA

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

Classification: E491T15-GA4-CS1-H4 (E491C-6MJ-H4)

Gas or Flux: Ozoline C8 (Linde Mison 8C)
Ozoline C15 (Linde Mison 15C)

Size (mm): Min: 1.2 Max: 1.6

### Others Details:

Company Name:

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: February 27, 2022

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

**CANADIAN WELDING BUREAU** 

Registrar

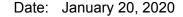
FABCOR86R8C15C













Effective Date: February 27, 2020

# **CERTIFICATION OF WELDING CONSUMABLE**

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

Company Name: HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS

Electrode Designation: (PLANT 3)

FABCOR 86R

Point of Manufacture: Troy, Ohio, USA

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

Classification: E491T15-GA4-CS1-H4 (E491C-6MJ-H4)

Ferroline C8 (Argoshield 8C)

Gas or Flux: Ferroline C15 (Argoshield GP)

Ferroline C25 (Argoshield 25C)

Size (mm): Min: 0.9 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: February 27, 2022

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

**CANADIAN WELDING BUREAU** 

Registrar

FABCOR86RARGO8CGP25C













Date: May 05, 2021

Effective Date: May 05, 2021

# **CERTIFICATION OF WELDING CONSUMABLE**

This is to advise you the Canadian Welding Bureau has granted interim approval on the following:

Company Name: HOBART BROTHERS LLC, TUBULAR WIRE BUSINESS

(PLANT 2)

Electrode Designation: FabCOR 86R

Point of Manufacture: Troy, Ohio, USA

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

Classification: **E490T15-M20A4-CS1-H4 (E492C-6MJ-H4)** 

Gas or Flux: **M20 (Ar + 10%CO**<sub>2</sub>)

Size (mm): Min: 2.0 Max: 2.0

Expiry date: May 5, 2022

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

**CANADIAN WELDING BUREAU** 

Registrar

FABCOR86R90102.4

The product certification system operated by the Canadian Welding Bureau most closely resembles that described by ISO/IEC 17067:2013 Conformity assessment - Fundamentals of product certification and guidelines for product certification schemes, scheme type 5.