

Effective Date: May 20, 2022

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:	FabCOR 86R
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) E491T15-M20A4-CS1-H4 (E491C-6MJ-H4) E491T15-M21A4-CS1-H4 (E491C-6MJ-H4) E491T15-M22A4-CS1-H4 (E491C-6MJ-H4) M20
Classification:	Mig Mix Gold
Gas or Flux:	M22 (Ar + 5%O₂) M12 (Ar + 5%CO₂) M21 (Ar + 20% to 25%CO₂)
Size (mm):	Min: 1.2 Max: 1.6

Expiry date: **May 20, 2024**

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

CANADIAN WELDING BUREAU



Registrar

TMM76

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*.

Effective Date: May 20, 2022

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)
Gas or Flux:	Ferroline C8 Ferroline C15 Ferroline C25
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.

Expiry date: **May 20, 2024**

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

CANADIAN WELDING BUREAU



Registrar

FABCOR86RARGOS

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*.

Effective Date: March 22, 2024

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:	FabCOR 86R
Point of Manufacture:	Piqua, Ohio, USA
Standard:	CSA W48-23 / AWS A5.36M
Classification:	E491T15-GA4-CS1-H4
Gas or Flux:	Ozoline C8 Ozoline C15
Size (mm):	Min: 1.2 Max: 1.6

Expiry date: **March 22, 2026**

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

CANADIAN WELDING BUREAU



Registrar

HBPMETC6.1

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*.

Effective Date: August 03, 2023

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:	FabCOR 86R
Point of Manufacture:	Troy, Ohio, USA
Standard:	W48-23 / AWS A5.36M
Classification:	E490T15-M12A4-CS1-H4
Gas or Flux:	M12 (Ar + 5%CO₂)
Size (mm):	Min: 2.0 Max: 2.0

Expiry date: **August 3, 2025**

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

CANADIAN WELDING BUREAU



Registrar

FABCOR86R9052.0

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*.

Effective Date: June 28, 2022

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:	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%CO₂)
Size (mm):	Min: 2.0 Max: 2.0

Expiry date: **June 28, 2024**

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

CANADIAN WELDING BUREAU



Registrar

FABCOR86R90102.0

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*.

Effective Date: December 10, 2023

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:	FabCOR 86R
Point of Manufacture:	Troy, Ohio, USA
Standard:	CSA W48-23 / AWS A5.36M
Classification:	E491T15-GA4-CS1-H4 E491T15-M12A4-CS1-H4
Gas or Flux:	Ozoline C15 M12 (Ar + 5%CO₂)
Size (mm):	Min: 1.2 Max: 1.6

Expiry date: **December 10, 2025**

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

CANADIAN WELDING BUREAU



Registrar

FABCOR86RT

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*.

Effective Date: December 10, 2023

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 2)
Electrode Designation:	FabCOR 86R
Point of Manufacture:	Troy, Ohio, USA
Standard:	CSA W48-23 / AWS A5.36M
Classification:	E491T15-GA4-CS1-H4
	E491T15-M20A4-CS1-H4
	E491T15-M21A4-CS1-H4
	E491T15-M22A4-CS1-H4
Gas or Flux:	M20
	Ozoline C8
	M22 (Ar + 5%O₂) 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.

Expiry date: **December 10, 2025**

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

CANADIAN WELDING BUREAU



Registrar

FABCOR86T

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*.