Date: December 14, 2012

## CERTIFICATION OF WELDING CONSUMABLE

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

| | |
|---|---|
| Company Name: | **HOBART BROTHERS CO., TUBULAR WIRE BUSINESS (PLANT 2)** |
| Electrode Designation: | **EXCEL-ARC 71** |
| Point of Manufacture: | **Troy, Ohio, USA** |
| Standard: | **CSA W48-06** |
| Classification: | **E491T-9-H8**<br>**E491T-9M-H8** |
| Gas or Flux: | **Ar + 20%$CO_2$ TO 100%$CO_2$** |
| Size (mm): | **Min: 1.2 Max: 1.6** |

Others Details:
In addition, the diffusible hydrogen tests was conducted in accordance with AWS A4.3-93 “Standard methods for determination of the diffusible hydrogen content of martensitic, banitic and ferritic steel weld metal produced by arc welding” and with within the limits sets by the standard above

Expiry date: **December 1, 2014**

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

CANADIAN WELDING BUREAU

Alice Y. Lau, P. Eng.
Operations Manager, Procedures & Electrodes

AYL
CXTEA71

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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