



**COPY**

Date: August 01, 2018

Effective Date: July 31, 2018

**CERTIFICATION OF WELDING CONSUMABLE**

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

Company Name:	<b>NIPPON STEEL &amp; SUMIKIN WELDING</b>
Electrode Designation:	<b>NSSW SM-3A</b>
Point of Manufacture:	<b>Narashino, Japan</b>
Standard:	<b>CSA W48-18 (FCAW/MCAW Carbon Steel)</b>
Classification:	<b>E491T15-M21A4-CS1-H8 (E491C-6MJ-H8)</b>
Gas or Flux:	<b>M21 (Ar + 20% to 25%CO<sub>2</sub>)</b>
Size (mm):	<b>Min: 1.2    Max: 1.6</b>

**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: **July 31, 2020**

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

CANADIAN WELDING BUREAU

Registrar

NIPPCENSSWSM3A

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@cwbgroupp.org  
Fax: 905.542.1318    www.cwbgroupp.org