



Effective Date: July 31, 2022

**CERTIFICATION OF WELDING CONSUMABLE**

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

Company Name:	<b>NIPPON STEEL WELDING &amp; ENGINEERING CO.,LTD.</b>
Electrode Designation:	<b>SF-3M</b>
Point of Manufacture:	<b>Narashino, Japan</b>
Standard:	<b>CSA W48-18 (FCAW/MCAW Carbon Steel)</b>
Classification:	<b>E491T-9C-JH4 (E491T-9J-H4)</b>
Gas or Flux:	<b>C1 (100%CO<sub>2</sub>)</b>
Size (mm):	<b>Min: 1.2 Max: 1.4</b>

Expiry date: **July 31, 2024**

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

CANADIAN WELDING BUREAU

Registrar

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NIPPCESF3M