



Effective Date: March 21, 2025

**CERTIFICATION OF WELDING CONSUMABLE**

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

Company Name:	<b>TIEN TAI ELECTRODE (KUNSHAN) CO. LTD.</b>
Electrode Designation:	<b>TSW-12KHG</b>
Point of Manufacture:	<b>Kunshan, China</b>
Standard:	<b>CSA W48-23 / AWS A5.17M</b>
Classification:	<b>F49A6-EG-H4 F49P6-EG-H4</b>
Gas or Flux:	<b>TF-210 (made in Taiwan)</b>
Size (mm):	<b>Min: 2.4    Max: 5.0</b>

Expiry date: **March 21, 2027**

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

CANADIAN WELDING BUREAU

Registrar

TIENTETSW12KHGTF210

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*.