Certificate No.: 594722-7783224-013

WELDING CONSUMABLE CERTIFICATE

https://ABSeCert.Eagle.org

Report No.: 7783224

Port of: Kaohsiung Port

Date: 19 October 2026

THIS IS TO CERTIFY that the undersigned Surveyor to this Bureau, at the request of the Company, attended the facility listed below to carry out a survey of the facility and its associated quality assurance and quality control procedures and to witness and report on the Initial approval of welding consumables in accordance with the ABS process for approval of firms manufacturing welding consumables.

It is confirmed, at this time, based on certification tests witnessed by ABS, that the facility is considered capable of providing an acceptable uniform product, and that each welding consumable listed below is considered to be in compliance with the specification indicated and is eligible to be included in the ABS Approved Welding Consumables List, in the section: Submerged Arc Welding

Company: TIEN TAI ELECTRODE CO., LTD.

Facility Location: No. 6, Kai Fa 4th Road, Rende District, Tainan, Taiwan, R.O.C.

Survey Date(s): 19 October 2026

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE
TSW-E12 / TF-218*	ABS	4YQ420M H5**	N/A	F	AC	3.2, 4.0 & 4.8 mm

* Remark (Multiple Trade Name Approval): TSW-E12 / TF-218 is identical to HOBART 12E / HN-528
** Manufacturer's guarantee CVN 34J @-50 degree celsius

Electronically Signed By
Hsu, Shih-Ming, Kaohsiung Port
Surveyor

ABS KAOHSIUNG

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.