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# WELDING CONSUMABLE CERTIFICATE

Report No.: 7630522

Port of: Kaohsiung Port

Date: 27 July 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 ANNUAL 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): 27 July 2026

| TRADE NAME                   | SPECIFICATION | GRADE OR CLASS | SHIELDING GAS | POSITION | CURRENT/ POLARITY | SIZE        |
|------------------------------|---------------|----------------|---------------|----------|-------------------|-------------|
| HOBART M12K / HOBART HA-495* | ABS           | 3YM H10        | N/A           | F        | DCEP              | 2.4- 4.8 mm |
| HOBART M12K / HOBART HN-590* | ABS           | 3YM H5         | N/A           | F        | AC/DCEP           | 2.4- 4.8 mm |
| HOBART H12K / HOBART HN-521* | ABS           | 5YQ420M H5     | N/A           | F        | AC/DCEP           | 2.4- 4.8 mm |
| HOBART 40E / HOBART HN-521*  | ABS           | 5YQ460M H5     | N/A           | F        | AC/DCEP           | 2.4- 4.0 mm |

## Remarks:

- \* Multiple Trade Name Approval: HOBART M12K / HOBART HA-495 is identical to TSW-12KM/TF-385  
 HOBART M12K / HOBART HN-590 is identical to TSW-12KM/TF-565  
 HOBART H12K / HOBART HN-521 is identical to TSW-12KH/TF-210  
 HOBART 40E / HOBART HN-521 is identical to TSW-E40/TF-210

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



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