

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW00004E7
Revision No:
1

This is to certify:

that the Wire/Flux combination

with trade name
TW-2209 / TFS-330

Manufacturer

Tien Tai Electrode Co., Ltd.
Tainan, Taiwan Region

is found to comply with

DNV rules for classification – Ships

DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	*
Current	DC(+)
Approved diameter	3.2 mm - 4.0 mm
Positions	Flat
Remarks	*) Consumable for welding of ferritic-austenitic stainless steels (Duplex steel UNS S31803, 1.4462). Impact tested at -60°C with min. average of 40 Joule.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2024-07-25**

This Certificate is valid until **2029-08-06**.

DNV local unit: **Kaohsiung**

Approval Engineer: **Dietmar Liebich**

for **DNV**



Digitally Signed By:
Ludger Hachmöller
Location: **DNV Hamburg,**
Germany

Any significant change in design or construction may render this Certificate invalid.

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