



Certificate No:
TAW000054R

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Flux combination

with trade name
TSW-E40 / TF-210

Manufacturer
Tien Tai Electrode Co. Ltd.
Tainan, Taiwan

is found to comply with
DNV rules for classification – Ships
DNV offshore standards
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	V Y46M (H5)
Current	AC, DC(-)
Approved diameter	2.4 mm - 4.0 mm
Positions	Flat
Remarks	

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

Issued at **Hamburg** on **2021-12-20**

This Certificate is valid until **2026-12-19**.

DNV local station: **Kaohsiung**

Approval Engineer: **Ludger Hachmöller**

for **DNV**

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Thorsten Lohmann
Head of Section

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

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