

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW00004JS
Revision No:
1

This is to certify:

that the Wire/Flux combination

with trade name
TSW-12KH / TF-218

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
DNV offshore standards

with this approval

Grade	V Y46M(H5)
Current	AC/DC(+)
Approved diameter	2.4 mm - 4.8 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 **2025-01-28**

This Certificate is valid until **2030-03-01**.

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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