DNV·GL

Certificate No:
TAW00004JS

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Flux combination

with trade name
TSW-12KH / TF-218

Manufacturer
Tien Tai Electrode Co. Ltd.
Tainan, Taiwan

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

with this approval

Grade	**V Y46M(H5)**
Current	**AC/DC(+)**
Approved diameter	**2.4mm - 4.8mm**
Positions	**Flat**
Remarks	**----**

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

Issued at **Hamburg** on **2020-03-02**
This Certificate is valid until **2025-03-01**.
DNV GL local station: **Kaohsiung**

Approval Engineer: **Hans-Joachim Vogt**

for **DNV GL**

Thorsten Lohmann
Head of Section

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

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