

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electrode**

with trade name
TNM-9

Manufacturer

Tien Tai Electrode Co. Ltd.
Tainan, Taiwan

is found to comply with

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

with this approval

Grade	VL 9Ni H5
Current	AC/DC(+)
Approved diameter	3.2 mm - 4.0 mm
Positions	All except vertical downwards
Remarks	Test temp. -196°C. Min. yeild stress 430 MPa. Also for fillet welding.

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

This Certificate is valid until **2021-12-20**.

Issued at **Høvik** on **2016-12-21**

for **DNV GL**

DNV GL local station: **Kaohsiung**

Approval Engineer: **Maxim Bobrov**

.....
Hanne Anita Hjerpetjonn
Head of Section

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