

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW00005AT
Revision No:
2

This is to certify:
that the Electrode

with trade name
TNM-9

Manufacturer
Tien Tai Electrode (Kunshan) Co., Ltd.
Kunshan, Jiangsu, China

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 (+) / AC
Approved diameter	2.6 mm - 4.0 mm
Positions	All, except vertical downwards
Remarks	*) For welding of NV 1.5Ni up to NV 9Ni Also for fillet welding, The manufacturer's guaranteed properties: Y.S.: Min 430 MPa; T.S.: Min 690 MPa; Impact test at -196°C average > 47 Joule

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

Issued at **Hamburg** on **2025-04-25**

This Certificate is valid until **2027-11-07**.

DNV local unit: **Shanghai**

Approval Engineer: **Dietmar Liebich**

for **DNV**



Digitally Signed By:
Martin Wenning
Location: **DNV Hamburg,**
Germany

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

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