

TYPE APPROVAL CERTIFICATE

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	NV 9Ni
Current	DC (+) / AC
Approved diameter	2.6 mm - 4.0 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding, Impact test at -196°C average value > 47 Joule

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

Issued at **Hamburg** on **2022-11-08**

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

for **DNV**

DNV local unit: **Shanghai**

Approval Engineer: **Gabi Dau**

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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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