



Certificate no.:
TAW0000637

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Flux Cored Wire/Gas combination

with trade name
TFW-9Ni / C1

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	* MS
Current	DC(+)
Approved diameter	1.2 mm
Positions	All, except vertical downwards
Remarks	*) For NV 1.5Ni up to NV 9Ni
	Min. yield strength: 430 MPa
	Min. tensile strength: 690 MPa
	Min. EL.: 25%
	Impact test at -196°C, average value min. 34 J
	Also for fillet welding

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

Issued at **Hamburg** on **2026-01-29**

This Certificate is valid until **2031-01-29**.

for **DNV**

DNV local unit: **Shanghai**

Approval Engineer: **Ludger Hachmöller**

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

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