



Certificate no.:
TAW000063F

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Wire/Flux combination

with trade name
HWSNiCrMo-4/HWSJ609

Manufacturer
Harbin Well Welding Co., Ltd.
Harbin, Heilongjiang Province, 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	-M
Current	DC(+)
Approved diameter	1.6 mm - 2.4 mm
Positions	Flat
Remarks	For welding of NV 1.5Ni up to NV 9Ni Impact test at -196°C The min. yield strength of the weld metal 430 N/mm² Also for flat and horizontal fillet welding

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

Issued at **Hamburg** on **2025-12-08**

This Certificate is valid until **2029-02-02**.

for **DNV**

DNV local unit: **Dalian NB & CMC**

Approval Engineer: **Christine Löll**

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

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