



Certificate no.:
TAW0000639

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Wire/Gas combination

with trade name
CHW-50C3A / M21

Manufacturer

Shanghai Atlantic Welding Consumables Co., Ltd
SHANGHAI, 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	IV YMS (H5)
Current	DC(+)
Approved diameter	1.0 mm - 1.2 mm
Positions	All, except vertical downwards
Remarks	

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

Issued at **Hamburg** on **2025-12-05**

This Certificate is valid until **2030-12-04**.

for **DNV**

DNV local unit: **Shanghai**

Approval Engineer: **Dietmar Liebich**

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

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