Certificate no.:
TAW00005JB

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Electrode

with trade name
CHE680TS

Manufacturer
Atlantic China Welding Consumables, Inc.
ZIGONG, SICHUAN, 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(+)**
Approved diameter	**2.5 mm - 4.0 mm**
Positions	**All, except vertical downwards**
Remarks	***) For High Manganese austenitic steels** **Manufacturer guaranteed yield strength: min. 400 MPa** **and tensile strength: min. 660 MPa** **Impact test temp. -196°C** **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 **2023-11-10**
This Certificate is valid until **2028-11-09**.
DNV local unit: **Nanjing NB & CMC**

for **DNV**

Approval Engineer: **Ludger Hachmöller**

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