Certificate No:
TAW00005CX

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
FILARC 48

Manufacturer
ESAB AB
Göteborg, Sweden

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	**2**
Current	**AC, DC(±)**
Approved diameter	**2.5 mm - 4.0 mm**
Positions	**All, incl. vertical downwards**
Remarks	**Also for fillet welding with diameter 3.2 mm - 4.0 mm** **Electrode: Only for lot numbers starting with SB**

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

Issued at **Hamburg** on **2023-04-17**
This Certificate is valid until **2028-04-16**.
DNV local unit: **Sweden CMC**

Approval Engineer: **Ludger Hachmöller**

for **DNV**

Thorsten Lohmann
Head of Section

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