Certificate No:
TAW000057S

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
ZULFI E7018 H4R

Manufacturer
Zulfi Welding Electrodes Factory Co Ltd
AL ZULFI, Saudi Arabia

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

with this approval

Grade	**4 Y40H5**
Current	**AC, DC(+)**
Approved diameter	**2.6 mm - 5.0 mm**
Positions	**All, except vertical downwards**
Remarks	**Also for fillet welding**
	Also acc. to AWS/SFA 5.1 for grade E7018 H4R. Absorbed moisture test (R) is carried out after exposure of the electrode to an environment of 27°C and 85% RH for a period of 9 hrs. and moisture test found satisfactory

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

Issued at **Hamburg** on **2022-06-10**
This Certificate is valid until **2027-06-09**.
DNV local station: **Doha**

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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