

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electrode**

with trade name
AS B-248 H4R

Manufacturer

KAYNAK TEKNIGI SANAYI VE TICARET A.S.
Kocaeli, Turkey

is found to comply with

DNV GL rules for classification – Ships

DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables

with this approval

Grade	4 Y40H5
Current	DC(+)
Approved diameter	2.5 - 5.0mm
Positions	All, except vertical-down
Remarks	AWS A5.1 E7018-1 H4R

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

Issued at **Hamburg** on **2018-09-12**

This Certificate is valid until **2022-06-30**.

DNV GL local station: **Istanbul**

for **DNV GL**

Approval Engineer: **Hans-Joachim Vogt**

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Thorsten Lohmann
Head of Section

