

Certificate No: TAW00005C5

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name **MAGMAWELD ESB 44**

Manufacturer Oerlikon Kaynak Elektrodlari ve Sanayi A.S. ISTANBUL, İstanbul, Türkiye

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

with this approval Grade 3 YH10 Current DC(+) Approved diameter 2.0 mm - 5.0 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 2023-01-23 This Certificate is valid until 2026-12-31. DNV local unit: Istanbul

Approval Engineer: Ludger Hachmöller

for DNV

Thorsten Lohmann Head of Section

Any significant change in design or construction may render this Certificate invalid. LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

