



APPROVAL OF WELDING CONSUMABLES CERTIFICATE

No. QBI057924XT/002

This is to certify that the following product, in view of the tests carried out, has been approved.

<i>Description</i>	Covered electrodes for manual welding
<i>Type</i>	MAGMAWELD ESB 48
<i>Class</i>	3Y H5
<i>Manufacturer</i>	OERLIKON KAYNAK ELEKTRODLARI VE SANAYI A.S.
<i>Place of manufacture</i>	ORGANIZE SANAYI BOLGESI, 2.KISIM MANISA TURKEY
<i>Reference standards</i>	Part D, Chapter 5, Section 2 of RINA Rules for the classification of ships

The approval is valid for one year and can be reconfirmed subject to the satisfactory outcome of the prescribed control tests.

Issued in **ISTANBUL** on **May 30, 2024**. This Certificate is valid until **May 9, 2025**



Devrim Kacar

RINA Services S.p.A.



Devrim Kacar
Marine Surveyor
RINA Istanbul
13415

This certificate consists of this page and 1 enclosure



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MAGMAWELD ESB 48

OERLIKON KAYNAK ELEKTRODLARI VE SANAYI A.S.	ORGANIZE SANAYI BOLGESI, 2.KISIM MANISA - TURKEY
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Class	3Y H5	
Diameters	2.5-3.25-4-5	mm
Welding positions	all positions excluding vertical in downward direction	
Type of current	direct current reverse polarity and alternating	

ISTANBUL May 30, 2024