Certificate No: **26061808130273**
TL Project No: **26-1026**

CERTIFICATE of APPROVAL of WELDING CONSUMABLES

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Türk Loydu. This approval is subject to annual tests being carried out in accordance with the requirements of Türk Loydu. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Manufacturer : **OERLIKON KAYNAK ELEKTRODLARI VE SANAYİ A.Ş.**
Address : **Organize Sanayi Bölgesi 2. Kısım, 45030, MANİSA**

Product Details

Brand	:	MAGMAWELD ESB 48
Product Description	:	Basic Coated Electrode For Non Alloyed Steels AWS/ASME SFA 5.1 E7018 H5 EN ISO 2560 A E 42 3 B 42 H5 TS EN ISO 2560 A E 42 3 B 42 H5
Grade	:	3Y H5
Diameter	:	2.0. mm, 2.5 mm, 3.25 mm, 4.0 mm, 5.0 mm
Welding Positions	:	PA, PB, PC, PD, PE, PF
Welding Process	:	111 - Shielded Metal Arc Welding (SMAW)
Current	:	DC(+)
Performed Tests	:	- Visual inspection and dimensional check - Tensile test of all weld metal - Charpy impact test - Chemical analysis - Hydrogen test
Initial Approval Date	:	24.11.1988
Application/Limitation	:	-
Others	:	-

This Certificate is valid until **28.05.2027**

Surveyor: **Hasan HABİBOĞLU**

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Issued at **ISTANBUL** on **23.06.2026**

This document is electronically signed and does not require a manual signature

Click here for the verification website

Emrah SÖĞÜTÇÜ
New Building Division Manager
TÜRK LOYDU

Initial Approval Date: 24.11.1988 Expire Date of Previous Certificate: 28.05.2026

This certificate is subject to terms and conditions described below:
Any significant change in design or construction may render this Certificate invalid. Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.