Certificate No: 2210131448473740



## **CERTIFICATE of APPROVAL for WELDING CONSUMABLES**

This certificate will be valid if the annual checks to be carried out from the date of first issue comply with the current TÜRK LOYDU rules. Please check the annual approval stamps on page 2.

Manufacturer	: OERLİKON KAYNAK ELEKTRODLARI SANAYİ ANONİM ŞİRKETİ
Address	: Organize San. Bölgesi 2.kısım 45030/ Manisa
Brand	: MAGMAWELD ESB 48
Product Description	: Covered Electrodes
Grade	: 3YH5
Diameter (mm)	: 2.5 - 3.25 - 4.0 - 5.0
Welding Positions	: PA, PB, PC, PD, PE, PF
Welding Process	: SMAW (Shielded Metal Arc Welding)
Shielding Gas/Flux	1 -
Current	: DC(+)
Performed Test Scope	: All Weld-Mechanical Tests, Chemical Analysis, Hydrogen Test
Remarks	t la
Initial Approval Date	: 24.11.1988
Issue Place and Date	: İSTANBUL / 25.10.2022
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This certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The manufacturer should notify TÜRK LOYDU of any modifications or changes to the equipment in order to obtain valid certificate. This certificate shows that tested specimens, representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.

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		Certificate No: 2210131448473740	
Endorsement for Annual Approval of the Welding Consumable			
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-The validity of this certificat	e has been renewed until. Septem	ber 2023	
	ct/products within the current rules h	as been determined	
-Project Number: <b>1213</b> -Performed Annual Tests:	<b>6</b> 9	StappolSignature	
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	D	ate 25. 10. 2022	
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-The conformity of the produ	ct/products within the current rules h	as been determined.	
-Project Number: 23-0	0616	Activ	
-Performed Annual Tests:	1. C	Starnokranature	
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	ct/products within the current rules h	as been determined.	
-Project Number: .241 -Performed Annual Tests:		Stamp/Signature	
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Chemical Analysis		Hasan H. WIBOGE	
· Chemical Analysis		urveyor Inspector - Surveyor	
	Ľ	Date 09.05.2024	
-The validity of this certification	te has been renewed until	1 2026	
-The conformity of the produ	ct/products within the current rules h	as been determined	
-Project Number:25-06	60	XI.	
-Performed Annual Tests:		Stapro/Signature	
· All Weld	G	1-122	
<ul> <li>Hydrogen Test</li> </ul>		( INDY	
· Chemical Analysis	S	Date 28.05.2025	
	Γ	Date 08 05 1225	
		28.03.24	
te is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The manufacturer TÜRK LOYDU of any modifications or changes to the equipment in order to obtain valid certificate. This certificate shows that tested specimens,			
URK LOYDU of any modifications of changes to the equipment in order to obtain value certificate. This certificate shows that tested specificates, of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.			
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Form No: CE193-06/ 16th June 2022