

TEST CERTIFICATE

EN10204 3.1



BETAWELD WELDING PRODUCTS
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Customer	Alphaweld Supply Group				Commodity				TIG ER70S-4				Mfg.Date	2025/08	Lot No.	V25808002	
Specification & Classification	ASME SFA-5.18 AWS A5.18 ER70S-6				Dimension				2.4mm x 1000				Date of Issue	13/10/25	Certificate No.	25100602	
CHEMICAL COMPOSITION (%)																	
Elements	C	Mn	Si	P	S	Ni	Cr	Mo	V				Cu				
Requirement	0.06~0.15	1.00~1.50	0.65~0.85	0.025 Max	0.035 Max	0.15 Max	0.15 Max	0.15 Max	0.03 Max				0.50 Max				
Test Result	0.074	1.45	0.84	0.016	0.008	0.01	0.024	0.0022	0.0041				0.013				
Category	Tensile Test of Deposited Metal					Impact Test		Welding Condition									
	Yield* Strength N/mm ²	Yield** Strength N/mm ²	Tensile Strength N/mm ²	Elongation (%)	Reduction Of Area (%)	Test Temp. (°C)	Charpy V-Notch Absorbed Energy J(AVE.)				Type of Current	Welding Current	Arc Voltage	Shielding Gas	Postweld Heat Treatment		
Requirement	400 Min	NS	490 Min	22 Min	NR	-50	27 Min				DCEP	NS	NS	I1	NS		
Test Results	420	NS	525	28	NR	-50	164	215	203	NR	NR	(194)	DCEP	NS	NS	I1	NS
Bending Test			Hardness Test	Fillet Weld Test	Radiographic Test	Moisture (%)	Diffusible Hydrogen mL/100gDM (AVE.)				Heat No.		Mn+Ni+Cr+Mo+V				
Face	Root	Side															
NR	NR	NR	NR	NR	ACCEPTABLE	NR	NR				F2501328		NS				
We hereby certify that this report is correct and that all test results are in compliance with the specification described herein. Quality Control Manager– Betaweld Welding Products 							Remarks: NS = Not Specified NR = Not Required *0.2% offset ** Lower Yield Point C1=100%CO ₂ M21=Ar+15~25%CO ₂ I1=100%Ar						Certificate:				