



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type	Norm	Brand Name	Part #	Diameter	Lot No.	Manufactured Date	Date of Issue
ER70S-6	AWS A5.18/A5.18M:2021	ER70S-6	6107062	3/32" (2.4MM)	23-6403	SHOWN ON PACKAGE	21-12-2023

Mechanical Properties of Deposited Metal			Chemical Composition of Deposited Metal (%)							
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Yield Strength Rel(MPa)		≥400	449	C	0.06~0.15	0.077	Mo	≤0.15	0.0037	
Tensile Strength Rm(MPa)		≥490	568	Si	0.80~1.15	0.88	Cu	≤0.50	0.073	
Elongation A5 (%)		≥22	30.5	Mn	1.40~1.85	1.53	V	≤0.03	0.0022	
Impact Test	Impact Temp (°C)	-30 °C	-30 °C	S	≤0.035	0.013	--	--	--	
	Av. Absorbed Energy (J)	≥27	280; 344; 271	P	≤0.025	0.013	--	--	--	
X-Ray		Required	Complies	Cr	≤0.15	0.049	--	--	--	
Typical moisture of the covering		--	--	Ni	≤0.15	0.053	--	--	--	
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)	RINA (--)
10050 NW 116TH Way, Suite 15. Medley, Florida 33178. Telf: 305-4205099				This is to certify that the welding consumable conform with the standard						
				Signature		Inspection seal				