



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)	236124	SHOWN ON PACKAGE	23-03-2023

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	500	C	0.06-0.15	0.069	Mo	≤0.15	0.0021	
Tensile Strength Rm(MPa)		≥480	602	Si	0.80-1.15	0.84	Cu	≤0.50	0.036	
Elongation A5 (%)		≥22	28.5	Mn	1.40-1.85	1.47	V	≤0.03	0.0051	
Impact Test	Impact Temp (°C)	-30 °C	-30 °C	S	≤0.035	0.012	--	--	--	
	Av. Absorbed Energy (J)	≥27	162; 155; 151	P	≤0.025	0.010	--	--	--	
X-Ray		Required	Complies	Cr	≤0.15	0.028	--	--	--	
Typical moisture of the covering		--	--	Ni	≤0.15	0.030	--	--	--	
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				