



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E309L-16	Norm AWS A5.4-2012	Brand Name STABIL	Part # 6003902	Diameter 1/8"(3.2MM)	Lot No. 242095H	Manufactured Date Shown on Package	Date of Issue 28 / 03 / 2025
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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)		--	--	C	≤0.04	0.026	Mo	≤ 0.75	0.032	
Tensile Strength Rm(MPa)		≥520	539	Si	≤1.00	0.60	V	--	--	
Elongation A5 (%)		≥30	49.0	Mn	0.5~2.5	1.09	Cu	≤ 0.75	0.030	
Impact Test	Impact Temp (°C)	--	--	S	≤0.03	0.0045	--	--	--	
	Av. Absorbed Energy (J)	--	--	P	≤0.04	0.016	--	--	--	
X-Ray		Required	Complies	Cr	22.0~25.0	23.50	--	--	--	
Ferrite Number (FN)		--	12.4	Ni	12.0~14.0	12.54	Fillet weld test of T-joint		Passed	
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				
				APPROVED BY LIAO YUGANG						