



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
E316L-16	AWS A5.4-2012	LAREN	6003601	3/32" (2.4 MM)	235632K	Shown on Package	19 / 02 / 2025

Mechanical Properties of Deposited Metal				Chemical Composition of Deposited Metal (%)						
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Tensile Test	Yield Strength Rel(MPa)	--	--	C	≤0.04	0.020	Mo	2.0~3.0	2.28	
	Tensile Strength Rm(MPa)	≥490	593	Si	≤1.00	0.54	V	--	--	
	Elongation A5 (%)	≥30	48.0	Mn	0.5~2.5	0.86	Cu	≤0.75	0.14	
Impact Test	Impact Temp (°C)	--	--	S	≤0.03	0.0074	--	--	--	
	Impact Absorbed Energy (J)	--	--	P	≤0.04	0.027	--	--	--	
X-Ray		--	Complies	Cr	17.0~20.0	18.48	--	--	--	
Ferrite Number (FN)		--	4.3	Ni	11.0~14.0	11.48	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				HoffmanArc®		