



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
E31 6L-16	AWS A5.4-2012	LAREN	6003601	3/32" (2.4mm)	255758K	SHOWN ON PACKAGE	02 / 06 / 2026

Mechanical Properties of Deposited Metal	Chemical Composition of Deposited Metal [%]
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Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Yield Strength Rel(MPa)		--	--	C	≥0.04	0.032	Mo	2.0-3.0	2.52
Tensile Strength Rm(MPa)		≥490	582	Si	≥1.00	0.52	Cu	≤0.75	0.046
Elongation A5(%)		≥30	46.5	Mn	0.5-2.5	0.82	V	--	--
Impact Test	Impact Temp (°C)	--	--	S	≥0.03	0.010	Fe	--	--
	Impact Absorbed Energy (J)	--	--	P	≥0.04	0.021		--	--
X-Ray		--	Passed	Cr	17.0-20.0	19.32	--	--	--
Ferrite Number (FN)		--	8.8	Ni	11.0-14.0	11.72	Fillet weld test of T-joint		Passed
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--) RINA (--)

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Medley, Florida 33178.
Telf: 305-4205099

This is to certify that the welding consumable conform with the standard

Signature

Inspection seal

