



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E316L-16	Norm AWS A5.1/A5.1M-2004	Brand Name Laren	Part # 6003601	Diameter 3/32" (2.4mm)	Lot No. 183123H	Manufactured Date Shown on Package	Date of Issue 2019 / 01 / 31		
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	0.030	Mo	2.0~3.0	2.37	
Tensile Strength Rm(MPa)	≥490	603	Si	≤1.00	0.77	V	--	--	
Elongation A5 (%)	≥30	47.5	Mn	0.5~2.5	0.76	Cu	≤0.75	0.068	
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤0.03	0.0095	A1	--	--
	Av. Absorbed Energy (J)	--	--	P	≤0.04	0.023	Ti	--	--
X-Ray	I	I	Cr	17.0~20.0	18.94	--	--	--	
Hydogen Content (ml/130g)	--	--	Ni	11.0~14.0	11.51	--	--	--	
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				