



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E308L-16	Norm AWS A5.4-2012	Brand Name HALTBAR	Part # 6003802	Diameter 1/8" (3.2MM)	Lot No. 223115H	Manufactured Date Shown on Package	Date of Issue 2022 / 05 / 19
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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	0.031	Mo	≤0.75	0.060	
Tensile Strength Rm(MPa)	≥520	599	Si	≤1.00	0.76	V	--	--	
Elongation A5 (%)	≥30	53.5	Mn	0.5~2.5	0.96	Cu	≤0.75	0.058	
Sharp V noch	Impact Temp (°C)	--	S	≤0.03	0.0057	Fe	--	--	
	Av. Absorbed Energy (J)	--	P	≤0.04	0.030	Ti	--	--	
X-Ray	Required	Complies	Cr	18.0~21.0	20.01	--	--	--	
Ferrite Number (FN)	--	12.4	Ni	9.0~11.0	9.61	Fillet weld test of T-joint		Complies	
Approved Classification Grade	CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)	RINA (--)

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

Signature 

Inspection seal 