



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E7018	Norm AWS A5.1/A5.1M2012	Brand Name SINNVOLL	Part # 6001801	Diameter 3/32" (2.4MM)	Lot No. 215311	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022 / 03 / 18		
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)	≥400	446	C	≤0.15	0.085	Mo	≤0.30	0.0051	
Tensile Strength Rm(MPa)	≥490	543	Si	≤0.75	0.25	V	≤ 0.08	0.0069	
Elongation A5 (%)	≥22	32.5	Mn	≤1.60	1.14	Mn+Ni+Cr +Mo+V	≤1.75	1.19	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0054	Al	--	--
	Impact Absorbed Energy (J)	≥27	183 178 176	P	≤0.035	0.013	Ti	--	--
X-Ray	--	Complies	Cr	≤0.20	0.027	--	--	--	
Limit of Moisture Content, % by Wt, Max.	≤0.60	0.06	Ni	≤0.30	0.016	Fillet weld test of T-joint		Complies	
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				