



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. 22-12027	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022-07-11			
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)		≥400.00	472	C	≤0.1500	0.086	Mo	≤ 0.3000	0.0023	
Tensile Strength Rm(MPa)		≥490	569	Si	≤0.75	0.54	V	≤ 0.0800	0.0091	
Elongation A5 (%)		≥22.000	24	Mn	≤1.6000	1.33	--	--	--	
Impact Test	Impact Temp (°C)	-30.000	-30	S	≤0.0350	0.01	--	--	--	
	Impact Absorbed Energy (J)	≥27	97 108 101	P	≤0.0350	0.0094	--	--	--	
X-Ray		--	Complies	Cr	≤0.2000	0.045	--	--	--	
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.06	Ni	≤0.3000	0.013	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				