



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E7018	Norm AWS A5.1-2012	Brand Name SINNVOLL	Part # 6001803	Diameter 5/32" (4.0MM)	Lot No. 23-12027	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2023-05-24			
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	442	C	≤0.1500	0.061	Mo	≤0.3000	0.0012	
Tensile Strength Rm(MPa)		≥490	533	Si	≤0.75	0.49	V	≤0.0800	0.0071	
Elongation A5 (%)		≥20.0000	27	Mn	≤1.6000	1.21	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0083	Ti	--	--	
	Impact Absorbed Energy (J)	≥27	155 111 122	P	≤0.0350	0.015	Al	--	--	
X-Ray		Required	Complies	Cr	≤0.2000	0.039	--	--	--	
Limit of Moisture Content, % by Wt, Max.		--	--	Ni	≤0.3000	0.022	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				