



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 # 6001803	Diameter 5/32" (4.0MM)	Lot No. 224128	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022-05-19			
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	450	C	≤0.15	0.082	Mo	≤0.30	0.0021	
Tensile Strength Rm(MPa)		≥490	552	Si	≤0.75	0.44	V	≤0.08	0.0046	
Elongation A5 (%)		≥22	31.5	Mn	≤1.60	1.37	Cu	--	--	
Impact Test	Impact Temp (°C)	-30.00	-30	S	≤0.035	0.0086	--	--	--	
	Impact Absorbed Energy (J)	≥27	149 139 123	P	≤0.035	0.011	--	--	--	
X-Ray		Required	Complies	Cr	≤0.20	0.033	--	--	--	
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.09	Ni	≤0.30	0.036	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				