



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 # 6001804	Diameter 3/16 (4.8MM)	Lot No. 215310	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	448	C	≤0.15	0.088	Mo	≤0.30	0.0037	
Tensile Strength Rm(MPa)		≥490	561	Si	≤0.75	0.58	V	≤0.08	0.0084	
Elongation A5 (%)		≥22	29.5	Mn	≤1.60	1.50	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0054	Mn+Ni+Cr Mo+V	≤1.75	1.58	
	Impact Absorbed Energy (J)	≥27	182 165 165	P	≤0.035	0.010	Ti	--	--	
X-Ray		Required	Complies	Cr	≤0.20	0.030	--	--	--	
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.010	Ni	≤0.30	0.039	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						