



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type	Norm	Brand Name	Part #	Diameter	Lot No.	Manufactured Date	Date of Issue
AWS E7018	AWS A5.1-2012	SINNVOLL	6001802	1/8" (3.2MM)	214513	SHOWN ON PACKAGE	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	
Tensile Strength Rel(MPa)		≥490	543	C	≤0.15	0.085	Mo	≤0.30	0.0038	
Yield Strength Rm(MPa)		≥400	446	Si	≤0.75	0.32	V	≤0.08	0.010	
Elongation A5 (%)		≥22	32.5	Mn	≤1.60	1.32	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0045	Mn+Ni+Cr Mo+V	≤1.75	1.38	
	Impact Absorbed Energy (J)	≥27	183 178 176	P	≤0.035	0.016	Ti	--	--	
X-Ray		--	Complies	Cr	≤0.20	0.028	--	--	--	
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.012	Ni	≤0.30	0.020	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				
										