



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)	24-12036	SHOWN ON PACKAGE	17 / 07 / 2024

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	572	C	≤0.1500	0.072	Mo	≤0.3000	0.003
Yield Strength Rm(MPa)		≥400	485	Si	≤0.75	0.43	V	≤0.0800	0.0089
Elongation A5 (%)		≥22	26.5	Mn	≤1.6000	1.17	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0078	--	--	--
	Impact Absorbed Energy (J)	≥27	109 101 85	P	≤0.0350	0.014	Ti	--	--
X-Ray		--	Complies	Cr	≤0.2000	0.027	--	--	--
Limit of Moisture Content, % by Wt, Max.		--	0.012	Ni	≤0.3000	0.0058	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			