



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/A5.1M2012	SINNVOLL	6001802	1/8" (3.2MM)	214672	SHOWN ON PACKAGE	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)		≥400.00	472	C	≤0.15	0.084	Mo	≤ 0.30	0.0022
Tensile Strength Rm(MPa)		≥490	569	Si	≤0.75	0.24	V	≤ 0.08	0.0054
Elongation A5 (%)		≥22	24	Mn	≤1.60	1.21	--	--	--
Impact Test	Impact Temp (°C)	-30.000	-30	S	≤0.035	0.0077	--	--	--
	Impact Absorbed Energy (J)	≥27	97 108 101	P	≤0.035	0.013	--	--	--
X-Ray		--	Required	Cr	≤0.20	0.032	--	--	--
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.06	Ni	≤0.30	0.035	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			