



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/A5.1M ASME SFA-5.1/SFA-5.1M	SINNVOLL	6001802	1/8" (3.2MM)	25-12001	SHOWN ON PACKAGE	22 / 01 / 2025

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	568	C	≤0.1500	0.058	Mo	≤0.3000	0.001	
Yield Strength Rm(MPa)		≥400	471	Si	≤0.75	0.44	V	≤0.0800	0.0078	
Elongation A5 (%)		≥22	26	Mn	≤1.6000	1.13	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0096	Ti	--	--	
	Impact Absorbed Energy (J)	≥27	112 101 113	P	≤0.0350	0.017	Al	--	--	
X-Ray		--	Complies	Cr	≤0.2000	0.025	--	--	--	
Limit of Moisture Content, % by Wt, Max.		--	--	Ni	≤0.3000	0.0077	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 APPROVED BY LIAO YUGANG Inspection seal 						