



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	6001801	3/32" (2.4MM)	225257	SHOWN ON PACKAGE	29 - 06 - 2023

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	464	C	≤0.15	0.062	Mo	≤0.30	0.024
Tensile Strength Rm(MPa)		≥490	560	Si	≤0.75	0.18	V	≤0.08	0.011
Elongation A5 (%)		≥22	32.0	Mn	≤1.60	0.86	Mn+Ni+Cr +Mo+V	≤1.75	1.02
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0071	Cu	--	--
	Impact Absorbed Energy (J)	≥27	161 148 139	P	≤0.035	0.011	--	--	--
X-Ray		I	I	Cr	≤0.20	0.080	--	--	--
Hydrogen Content (ml/100g)		≤0.60	0.09	Ni	≤0.30	0.042	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			
				APPROVED BY LIAO YUGANG		HoffmanArc®			