



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E7018	Norm AWS A5.1/A5.1M2012	Brand Name SINNVOLL	Part # 6001801	Diameter 3/32" (2.4MM)	Lot No. 215222	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022-05-07		
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	454	C	≤0.15	0.082	Mo	≤0.30	0.0024
Tensile Strength Rm(MPa)		≥490	559	Si	≤0.75	0.35	V	≤ 0.08	0.0056
Elongation A5 (%)		≥22	30.0	Mn	≤1.60	1.35	Mn+Ni+Cr + Mo+V	≤1.75	1.43
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0065	Al	--	--
	Impact Absorbed Energy (J)	≥27	188 182 181	P	≤0.035	0.0088	Ti	--	--
X-Ray		--	Complies	Cr	≤0.20	0.033	--	--	--
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.10	Ni	≤0.30	0.038	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 HoffmanArc®					