



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)	215166	SHOWN ON PACKAGE	2022 / 03 / 04

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	434	C	≤0.15	0.060	Mo	≤0.30	0.0028
Tensile Strength Rm(MPa)	≥490	544	Si	≤0.75	0.20	V	≤0.08	0.0057
Elongation A5 (%)	≥22	31.5	Mn	≤1.60	1.07	Mn+Ni+Cr +Mo+V	≤1.75	1.15
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0057	Al	--
	Impact Absorbed Energy (J)	≥27	70 165 156	P	≤0.035	0.012	Ti	--
X-Ray	--	Complies	Cr	≤0.20	0.035	--	--	--
Limit of Moisture Content, % by Wt, Max.	≤0.60	0.012	Ni	≤0.30	0.035	Fillet weld test of T-joint		Complies
Approved Classification Grade	CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)
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®		