



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)	214513	SHOWN ON PACKAGE	2022 / 03 / 25

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	543	C	≤0.15	0.085	Mo	≤0.30	0.0038
Yield Strength Rm(MPa)		≥400	446	Si	≤0.75	0.32	V	≤0.08	0.010
Elongation A5 (%)		≥22	32.5	Mn	≤1.60	1.32	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0045	Mn+Ni+Cr Mo+V	≤1.75	1.38
	Impact Absorbed Energy (J)	≥27	183 178 176	P	≤0.035	0.016	Ti	--	--
X-Ray		--	Complies	Cr	≤0.20	0.028	--	--	--
Moisture Test		≤0.60	0.012	Ni	≤0.30	0.020	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

