



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 A5.1-2012	SINNVOLL	6001802	1/8" (3.2MM)	224133	SHOWN ON PACKAGE	2022 / 05 / 19

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	545	C	≤0.15	0.089	Mo	≤0.30	0.0023
Yield Strength Rm(MPa)		≥400	435	Si	≤0.75	0.30	V	≤0.08	0.0061
Elongation A5 (%)		≥22	31.5	Mn	≤1.60	1.22	Cu	--	--
Impact Test	Impact Temp (°C)	-30.00	-30	S	≤0.035	0.0068	--	--	--
	Impact Absorbed Energy (J)	≥27	177 175 158	P	≤0.035	0.014	Ti	--	--
X-Ray		--	Complies	Cr	≤0.20	0.033	--	--	--
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.012	Ni	≤0.30	0.033	Fillet weld test of T-joint		Complies
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--) RINA (--)

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This is to certify that the welding consumable conform with the standard

Signature



Inspection seal

