



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
E7018	AWS A5.1/A5.1M2012	Sinnvoll	6001803	5/32" (4.0 mm)	20-12048	Shown on Package	2020 / 12 / 17

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)		Min. 400	469	C	Max. 0.15	0.086	Mo	Max. 0.30	0.0031
Tensile Strength Rm(MPa)		490 - 660	572	Si	Max. 0.90	0.55	V	Max. 0.08	0.0064
Elongation A5 (%)		Min. 22	26.5	Mn	Max. 1.60	1.36	Cu	--	--
Sharp V noch	Impact Temp (°C)	-30	-30	S	Max. 0.035	0.012	A1	--	--
	Av. Absorbed Energy (J)	Min. 47	93 165 149	P	Max. 0.035	0.016	Ti	--	--
X-Ray		I	Complies	Cr	Max. 0.20	0.031	--	--	--
Hydrogen Content (ml/130g)		--	--	Ni	Min. 0.30	0.016	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			