



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/A5.1M-2004	Sinnvoll	6001804	3/16 (4.8mm)	19-1227	Shown on Package	2019 / 04 / 28

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	490	C	Max. 0.15	0.080	Mo	Max. 0.30	0.0010
Tensile Strength Rm(MPa)		Min. 490	590	Si	Max. 0.75	0.45	V	Max. 0.080	0.0070
Elongation A5 (%)		Min. 22	27.0	Mn	Max. 1.60	1.47	Cu	--	--
Sharp V noch	Impact Temp (°C)	-30	-30	S	Max. 0.035	0.011	A1	--	--
	Av. Absorbed Energy (J)	Min. 27	115 156 101	P	Max. 0.035	0.022	Ti	--	--
X-Ray		--	--	Cr	Max. 0.20	0.019	--	--	--
Hydrogen Content (ml/130g)		--	--	Ni	Max. 0.30	0.0040	--	--	--
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 					