



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E7018	Norm A5.1 / A5.1 M-2004	Brand Name Sinnvoll	Part # 6001803	Diameter 5/32" (4.0 mm)	Lot No. 18-1238	Manufactured Date Shown on Package	Date of Issue 2018 / 06 / 15		
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	482	C	≤0.15	0.065	Mo	≤0.30	0.015	
Tensile Strength Rm(MPa)	Min. 490	580	Si	≤0.75	0.48	V	≤0.08	0.030	
Elongation A5 (%)	Min. 22.0	27.5	Mn	≤1.6	1.42	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤0.035	0.0083	A1	--	--
	Av. Absorbed Energy (J)	Min. 27	130 129 117	P	≤0.035	0.020	Ti	--	--
X-Ray	--	--	Cr	≤0.20	0.032	--	--	--	
Hydogen Content (ml/130g)	--	--	Ni	≤0.3	0.021	--	--	--	
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					