



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E7018	Norm AWS A5.1/A5. 1M-2012	Brand Name Sinnvoll	Part # 6001804	Diameter 3/16 (4.8mm)	Lot No. 19-1227	Manufactured Date Shown on Package	Date of Issue 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)	≥400	493	C	≤0.15	0.080	Mo	≤0.30	0.0010	
Tensile Strength Rm(MPa)	≥490	590	Si	≤0.75	0.45	V	≤0.080	0.0070	
Elongation A5 (%)	≥22	27.0	Mn	≤1.60	1.47	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	S	≤0.035	0.011	Fe	--	--	
	Av. Absorbed Energy (J)	≥27	1145 156 101	P	≤0.035	0.022	Ti	--	--
X-Ray	GB/T 3323 II	I	Cr	≤0.20	0.019	--	--	--	
Hydogen Content (ml/130g)	--	--	Ni	≤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					