



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E7018	Norm AWS A5.1/A5.1M-2004	Brand Name Sinnvoll	Part # 6001802	Diameter 3/32 (2.4mm)	Lot No. 16-1340	Manufactured Date Shown on Package	Date of Issue 2016 / 06 / 30		
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	480	C	≤ 0.15	0.078	Mo	≤ 0.30	0.0077	
Tensile Strength Rm(MPa)	Min 490	579	Si	≤ 0.75	0.57	V	≤ 0.08	0.0090	
Elongation A5 (%)	Min 22.0	24.0	Mn	≤ 1.60	1.26	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤ 0.035	0.0095	A1	--	--
	Av. Absorbed Energy (J)	Min 27	--	P	≤ 0.035	0.017	Ti	--	--
X-Ray	--	--	Cr	≤ 0.20	0.046	--	--	--	
Hydogen Content (ml/130g)	--	--	Ni	≤ 0.30	0.043	--	--	--	
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			