



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 5.1/A5.1M-2004	Sinnvoll	6001802	1/8" (3.2mm)	18-1237	Shown on Package	2018 / 03 / 29

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	479	C	≤ 0.15	0.084	Mo	≤ 0.30	0.010	
Tensile Strength Rm(MPa)		Min 490	582	Si	≤ 0.75	0.54	V	≤ 0.08	0.012	
Elongation A5 (%)		Min 22.0	22.0	Mn	≤ 1.6	1.40	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤ 0.035	0.014	A1	--	--	
	Av. Absorbed Energy (J)	Min 27	87 120 102	P	≤ 0.0035	0.015	Ti	--	--	
X-Ray		--	--	Cr	≤ 0.20	0.021	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	≤ 0.3	0.020	--	--	--	
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				