



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	A5.1 / A5.1 M-2004	Sinnvoll	6001803	5/32" (4.0 mm)	18-1238	Shown on Package	2018 / 05 / 10

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	--	--	--	
Hydrogen 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				