



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 A5.1/A5.1M-2004	Sinnvoll	6001803	5/32" (4.0 mm)	19-1204	Shown on Package	2019 - 01 / 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	474	C	Min. 0.15	0.085	Mo	Max. 0.3	0.010	
Tensile Strength Rm(MPa)		Min. 490	585	Si	Min. 0.75	0.57	V	Max. 0.08	0.013	
Elongation A5 (%)		Min. 22	280	Mn	Min. 1.60	1.54	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	Min. 0.035	0.011	A1	--	--	
	Av. Absorbed Energy (J)	Min. 27	119 103 103	P	Min. 0.035	0.017	Ti	--	--	
X-Ray		--	--	Cr	Min. 0.2	0.023	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	Min. 0.3	0.037	--	--	--	
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				