



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-2012	Sinnvoll	6001802	1/8" (3.2mm)	19-1226	Shown on Package	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	458	C	≤0.15	0.079	Mo	≤0.30	0.0020	
Tensile Strength Rm(MPa)		≥490	551	Si	≤0.75	0.46	V	≤0.080	0.0080	
Elongation A5 (%)		≥22	29	Mn	≤1.60	1.42	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤0.035	0.0095	Fe	--	--	
	Av. Absorbed Energy (J)	≥27	127 133 126	P	≤0.035	0.021	Ti	--	--	
X-Ray		GB/T 3323 II	I	Cr	≤0.20	0.016	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	≤0.30	0.015	--	--	--	
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				