



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)	19-1244	Shown on Package	24 - 09 - 2019

Mechanical Properties of Deposited Metal				Chemical Composition of Deposited Metal (%)						
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Tensile Test	Yield Strength Rel(MPa)	Min 400	510	C	Max. 0.15	0.090	Mo	Max. 0.30	0.001	
	Tensile Strength Rm(MPa)	Min. 490	595	Si	Max. 0.75	0.57	V	Max. 0.08	0.009	
	Elongation A5 (%)	Min 22	25.0	Mn	Max. 1.60	1.43	--	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	Max. 0.035	0.0097	--	--	--	
	Impact Absorbed Energy (J)	Min. 27	128 117 106	P	Max. 0.035	0.024	--	--	--	
X-Ray		I	Complies	Cr	Max 0.20	0.029	--	--	--	
Hydrogen Content (ml/100g)		--	7.44	Ni	Max. 0.30	0.064	Fillet weld test of t-joint		Complies	
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				