



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)	19-1249	Shown on Package	19 - 11 - 2019

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	478	C	Max. 0.15	0.074	Mo	Max. 0.30	0.003	
Tensile Strength Rm(MPa)		Min. 490	570	Si	Max. 0.75	0.55	V	Max. 0.08	0.007	
Elongation A5 (%)		Min 22	28.0	Mn	Max. 1.60	1.30	--	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	Max. 0.035	0.013	--	--	--	
	Av. Absorbed Energy (J)	Min. 27	144 143 115	P	Max. 0.035	0.024	--	--	--	
X-Ray		I	Complies	Cr	Max 0.20	0.020	--	--	--	
Hydrogen Content (ml/100g)		--	7.13	Ni	Max. 0.30	0.066	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				
										