



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	6001803	5/32" (4.0 MM)	20-1211	Shown on Package	2020-04-14			
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	497	C	Max. 0.15	0.084	Mo	Max. 0.30	0.005	
	Tensile Strength Rm(MPa)	Min. 490	590	Si	Max. 0.75	0.47	V	Max. 0.08	0.010	
	Elongation A5 (%)	Min 22	24.5	Mn	Max. 1.60	1.34	--	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	Max. 0.035	0.0091	--	--	--	
	Impact. Absorbed Energy (J)	Min. 27	126 115 104	P	Max. 0.035	0.022	--	--	--	
X-Ray		I	Complies	Cr	Max 0.20	0.038	--	--	--	
Hydrogen Content (ml/100g)		--	6.56	Ni	Max. 0.30	0.038	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				