



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	6001804	3/16 (4.8mm)	24-12040	Shown on Package	02 / 09 / 2024

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	472	C	≤0.1500	0.057	Mo	≤0.3000	0.0011	
Tensile Strength Rm(MPa)		≥490	565	Si	≤0.75	0.58	V	≤0.0800	0.012	
Elongation A5 (%)		≥22	29	Mn	≤1.6000	0.45	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤0.0350	0.015	Fe	--	--	
	Av. Absorbed Energy (J)	≥27	116 134 133	P	≤0.0350	0.018	Ti	--	--	
X-Ray		Required	Complies	Cr	≤0.2000	0.053	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	≤0.3000	0.012	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				