



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
AWS E7018	AWS A5.1-2012	SINNVOLL	6001802	1/8" (3.2MM)	24-12045	SHOWN ON PACKAGE	17 / 10 / 2024

Mechanical Properties of Deposited Metal				Chemical Composition of Deposited Metal (%)				
Item	Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Tensile Strength Rel(MPa)	≥490	563	C	≤0.1500	0.074	Mo	≤0.3000	0.0012
Yield Strength Rm(MPa)	≥400	482	Si	≤0.75	0.51	V	≤0.0800	0.01
Elongation A5 (%)	≥22	27	Mn	≤1.6000	1.48	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0059	Ti	--
	Impact Absorbed Energy (J)	≥27	125 101 116	P	≤0.0350	0.015	Al	--
X-Ray	--	Complies	Cr	≤0.2000	0.03	--	--	--
Limit of Moisture Content, % by Wt, Max.	--	0.012	Ni	≤0.3000	0.02	Fillet weld test of T-joint		Complies
Approved Classification Grade	CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)
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		
				APPROVED BY LIAO YUGANG		HoffmanArc®		