



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/A5.1M2012	SINNVOLL	6001803	5/32" (4.0MM)	22-12026	SHOWN ON PACKAGE	2022-05-23

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)		≥400.00	491	C	≤0.1500	0.078	Mo	≤0.3000	0.018
Tensile Strength Rm(MPa)		≥490	589	Si	≤0.75	0.62	V	≤0.080	0.0084
Elongation A5 (%)		≥22.0000	24.5	Mn	≤1.6000	1.44	Cu	--	--
Impact Test	Impact Temp (°C)	-30.00	-30	S	≤0.0350	0.01	--	--	--
	Impact Absorbed Energy (J)	≥27	105 114 117	P	≤0.0350	0.014	--	--	--
X-Ray		Required	Complies	Cr	≤0.2000	0.054	--	--	--
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.06	Ni	≤0.3000	0.018	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

APPROVED
BY LIAO
YUGANG

Inspection seal

