



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)	214670	SHOWN ON PACKAGE	2022 / 03 / 18

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	458	C	≤0.15	0.088	Mo	≤0.30	0.0030
Tensile Strength Rm(MPa)		≥490	561	Si	≤0.75	0.47	V	≤0.08	0.0054
Elongation A5 (%)		≥22	28.0	Mn	≤1.60	1.40	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0072	Mn+Ni+Cr +Mo+V	≤1.75	1.47
	Impact Absorbed Energy (J)	≥27	126 122 117	P	≤0.035	0.015	Ti	--	--
X-Ray		Required	Complies	Cr	≤0.20	0.031	--	--	--
Limit of Moisture Content, % by Wt, Max.		≤0.60	0.06	Ni	≤0.30	0.033	Fillet weld test of T-joint		Complies
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--) RINA (--)

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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

