



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E7018	Norm AWS A5.1/A5.1M2012	Brand Name SINNVOLL	Part # 6001804	Diameter 3/16" (4.8MM)	Lot No. 224305	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022-05-19
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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	0.096	Mo	≤0.30	0.0022	
Tensile Strength Rm(MPa)	≥490	545	Si	≤0.75	0.60	V	≤0.08	0.0092	
Elongation A5 (%)	≥22	30.0	Mn	≤1.60	1.42	Cu	--	--	
Impact Test	Impact Temp (°C)	-30.00	-30	S	≤0.035	0.0069	--	--	--
	Impact Absorbed Energy (J)	≥27	152 150 149	P	≤0.035	0.015	--	--	--
X-Ray	Required	Complies	Cr	≤0.20	0.037	--	--	--	
Limit of Moisture Content, % by Wt, Max.	≤0.60	0.09	Ni	≤0.30	0.037	Fillet weld test of T-joint		Complies	
Approved Classification Grade	GCS (--)	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 