



THE MOST RELIABLE WELDING®

# HOFFMAN ARC CO., LTD

## QUALITY CERTIFICATE OF WELDING CONSUMABLE

<b>Type</b> AWS E7018	<b>Norm</b> AWS A5.1/A5.1M2012	<b>Brand Name</b> SINNVOLL	<b>Part #</b> 6001801	<b>Diameter</b> 3/32" (2.4MM)	<b>Lot No.</b> 225088	<b>Manufactured Date</b> SHOWN ON PACKAGE	<b>Date of Issue</b> 2022-05-19
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<b>Mechanical Properties of Deposited Metal</b>			<b>Chemical Composition of Deposited Metal (%)</b>						
<b>Item</b>	<b>Requirement</b>	<b>Actual Result</b>	<b>Element</b>	<b>Requirement</b>	<b>Actual Result</b>	<b>Element</b>	<b>Requirement</b>	<b>Actual Result</b>	
<b>Yield Strength Rel(MPa)</b>	≥400.00	446	C	≤0.15	0.070	Mo	≤0.30	0.0024	
<b>Tensile Strength Rm(MPa)</b>	≥490	555	Si	≤0.75	0.19	V	≤0.08	0.0067	
<b>Elongation A5 (%)</b>	≥22	27.5	Mn	≤1.60	1.02	--	--	--	
<b>Impact Test</b>	<b>Impact Temp (°C)</b>	-30.000	S	≤0.035	0.0077	--	--	--	
	<b>Impact Absorbed Energy (J)</b>	≥27	109 117 105	P	≤0.035	0.014	--	--	
<b>X-Ray</b>	--	Complies	Cr	≤0.20	0.036	--	--	--	
<b>Limit of Moisture Content, % by Wt, Max.</b>	≤0.60	0.10	Ni	≤0.30	0.035	<b>Fillet weld test of T-joint</b>		Complies	
<b>Approved Classification Grade</b>	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

