



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
E7018	AWS A5.1/A5.1M ASME SFA-5.1/SFA-5.1M	SINNVOLL	6001804	3/16 (4.8mm)	25-81040	Shown on Package	05 / 06 / 2025

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	448	C	≤0.1500	0.07	Mo	≤0.3000	0.002
Tensile Strength Rm(MPa)		≥490	554	Si	≤0.75	0.44	V	≤0.0800	0.008
Elongation A5 (%)		≥22	26	Mn	≤1.6000	1.14	Cu	--	--
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤0.0350	0.012	Fe	--	--
	Av. Absorbed Energy (J)	≥27	108 103 112	P	≤0.0350	0.02	Ti	--	--
X-Ray		Required	Complies	Cr	≤0.2000	0.03	--	--	--
Hydrogen Content (ml/130g)		--	--	Ni	≤0.3000	0.01	Fillet weld test of T-joint		Complies
Approved Classification Grade		GCS (--)	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

