



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 E6011	AWS A5.1/A5.1M ASME SFA-5.1/SFA-5.1M	TREFFEN	6001102	1/8" (3.2MM)	25-30000	SHOWN ON PACKAGE	14 / 01 / 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)		≥330	428	C	≤0.2000	0.072	Mo	≤0.3000	0.0011	
Tensile Strength Rm(MPa)		≥430	512	Si	≤1.0000	0.069	V	≤0.0800	0.0026	
Elongation A5 (%)		≥22	27	Mn	≤1.2000	0.46	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0087	Al	--	--	
	Impact Absorbed Energy (J)	≥27	67 85 91	P	≤0.0400	0.021	Ti	--	--	
X-Ray		--	Complies	Cr	≤0.2000	0.025	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤0.3000	0.012	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



Inspection seal

