



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 E601 1	AWS A5.1/A5.1M ASME SFA-5.1/SFA-5.1M	TREFFEN	6001 101	3/32" (2.4mm)	25-30038	SHOWN ON PACKAGE	20 / 08 / 2025

Mechanical Properties of Deposited Metal	Chemical Composition of Deposited Metal [%]
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Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Yield Strength Rel(MPa)		≥330	424	C	≤0.20	0.12	Mo	≤0.30	0.0018
Tensile Strength Rm(MPa)		≥430	496	Si	≤1.00	0.11	V	≤0.08	0.0046
Elongation A(%)		≥22	26	Mn	≤1.20	0.56	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.0085	Ti	--	--
	Impact Absorbed Energy (J)	≥27	71 52 66	P	--	0.015	Al	--	--
X-Ray		--	Passed	Cr	≤0.20	0.042	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.012	Fillet weld test of T-joint		--
Approved Classification Grade		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

Inspection seal

