



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	6001101	3/32" (2.4mm)	25-30022	SHOWN ON PACKAGE	08 / 08 / 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	418	C	≤0.2000	0.12	Mo	≤0.3000	0.0011
Tensile Strength Rm(MPa)		≥430	487	Si	≤1.0000	0.20	V	≤0.0800	0.0065
Elongation A5 (%)		≥22	24.5	Mn	≤1.2000	0.78	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0061	Al	--	--
	Impact Absorbed Energy (J)	≥27	71 75 64	P	≤0.0400	0.019	Ti	--	--
X-Ray		--	Complies	Cr	≤0.2000	0.032	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.3000	0.033	Fillet weld test of T-joint		Complies
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			
				APPROVED BY LIAO YUGANG		HoffmanArc®			