



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E6011	Norm AWS 5.1-2012	Brand Name TREFFEN	Part # 6001101	Diameter 3/32" (2.4mm)	Lot No. 23-30030	Manufactured Date SHOWN ON PACKAGE	Date of Issue 16 / 11 / 2023		
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	433	C	≤0.2000	0.076	Mo	≤0.3000	0.001	
Tensile Strength Rm(MPa)	≥430	541	Si	≤1.0000	0.097	V	≤0.0800	0.0052	
Elongation A5 (%)	≥22	25.5	Mn	≤1.2000	0.51	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0023	Al	--	--
	Impact Absorbed Energy (J)	≥27	76 81 79	P	≤0.0400	0.011	Ti	--	--
X-Ray	--	Complies	Cr	≤0.2000	0.016	--	--	--	
Hydrogen Content (ml/100g)	--	--	Ni	≤0.3000	0.017	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			
									