



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E6010	Norm AWS A5.1/A5.1M-2012	Brand Name BAUEN	Part # 6001002	Diameter 1/8" (3.2MM)	Lot No. 22-30006	Manufactured Date SHOWN ON PACKAGE	Date of Issue 23-03-2022		
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)	≥330.00	436	C	≤0.2000	0.1	Mo	≤0.3000	0.0017	
Tensile Strength Rm(MPa)	≥430.00	564	Si	≤1.0000	0.086	V	≤0.0800	0.0063	
Elongation A5 (%)	≥22.00	24	Mn	≤1.2000	0.48	Cu	--	--	
Impact Test	Impact Temp (°C)	-30.00	-30	S	≤0.0350	0.013	Al	--	--
	Impact Absorbed Energy (J)	≥27	105 99 116	P	≤0.040	0.013	Ti	--	--
X-Ray	--	Complies	Cr	≤0.2000	0.048	--	--	--	
Hydrogen Content (ml/100g)	--	--	Ni	≤0.3000	0.021	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			