



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. 214470	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022-02-16			
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	408	C	≤0.20	0.14	Mo	≤0.30	0.022	
Tensile Strength Rm(MPa)		≥430	504	Si	≤1.00	0.17	V	≤0.08	0.0037	
Elongation A5 (%)		≥22	28.0	Mn	≤1.20	0.56	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.0085	Al	--	--	
	Impact Absorbed Energy (J)	≥27	74 67 63	P	--	0.0086	Ti	--	--	
X-Ray		II	Complies	Cr	≤0.20	0.050	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.065	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				