



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E6010	Norm AWS A5.1-2012	Brand Name BAUEN	Part # 6001002	Diameter 1/8" (3.2MM)	Lot No. 224129	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022-09-29	
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	374	C	≤0.20	0.11	Mo	≤0.30	0.0031
Tensile Strength Rm(MPa)	≥430	467	Si	≤1.00	0.11	V	≤0.08	0.0032
Elongation A5 (%)	≥22	27.0	Mn	≤1.20	0.39	Cu	--	--
Impact Test	Impact Temp (°C)	-30.00	-30	S	--	0.0086	--	--
	Impact Absorbed Energy (J)	≥27	39 35 30	P	--	0.016	--	--
X-Ray	Required	Complies	Cr	≤0.20	0.022	--	--	--
Hydrogen Content (ml/100g)	--	--	Ni	≤0.30	0.011	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				