



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 # 6001004	Diameter 3/16" (4.8 MM)	Lot No. 215171	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2022-02-25	
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	383	C	≤0.20	0.12	Mo	≤0.30	0.0037
Tensile Strength Rm(MPa)	≥430	488	Si	≤1.00	0.21	V	≤0.08	0.0026
Elongation A5 (%)	≥22	34.5	Mn	≤1.20	0.78	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.010	Al	--
	Impact Absorbed Energy (J)	≥27	102 99 98	P	--	0.012	Ti	--
X-Ray	Required	Complies	Cr	≤0.20	0.014	--	--	--
Hydrogen Content (ml/100g)	--	--	Ni	≤0.30	0.012	Fillet weld test of T-joint		Complies
Approved Classification Grade	CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)
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		
								