



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type	Norm	Brand Name	Part #	Diameter	Lot No.	Manufactured Date	Date of Issue
AWS E6010	AWS A5.1/A5.1M-2012	BAUEN	6001003	5/32" (4.0MM)	214681	SHOWN ON PACKAGE	2022 / 03 /18

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	399	C	≤ 0.20	0.12	Mo	≤ 0.30	0.013	
Tensile Strength Rm(MPa)		≥ 430	488	Si	≤ 1.00	0.11	V	≤ 0.08	0.0019	
Elongation A5 (%)		≥ 22	31.0	Mn	≤ 1.20	0.44	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.017	Al	--	--	
	Impact Absorbed Energy (J)	≥ 27	55 54 49	P	--	0.012	Ti	--	--	
X-Ray		Required	Complies	Cr	≤ 0.20	0.042	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤ 0.30	0.052	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				
										