



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 ASME SFA-5.1/SFA-5.1M	BAUEN	6001003	5/32" (4.0MM)	25-30025	SHOWN ON PACKAGE	08 / 08 / 2025

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	412	C	≤ 0.2000	0.1	Mo	≤ 0.3000	0.0016
Tensile Strength Rm(MPa)		≥ 430	499	Si	≤ 1.0000	0.24	V	≤ 0.0800	0.0038
Elongation A5 (%)		≥ 22	25	Mn	≤ 1.2000	0.63	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤ 0.0350	0.0074	Al	--	--
	Impact Absorbed Energy (J)	≥ 27	65 54 79	P	≤ 0.0400	0.021	Ti	--	--
X-Ray		Required	Complies	Cr	≤ 0.2000	0.026	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤ 0.3000	0.041	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 APPROVED BY LIAO YUGANG Inspection seal HoffmanArc					