



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)	25-30032	SHOWN ON PACKAGE	05 / 09 / 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	365	C	≤ 0.2000	0.1	Mo	≤ 0.3000	0.0013	
Tensile Strength Rm(MPa)		≥ 430	449	Si	≤ 1.0000	0.13	V	≤ 0.0800	0.0053	
Elongation A5 (%)		≥ 22	27.5	Mn	≤ 1.2000	0.57	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤ 0.0350	0.0095	Al	--	--	
	Impact Absorbed Energy (J)	≥ 27	51 60 66	P	≤ 0.0400	0.017	Ti	--	--	
X-Ray		Required	Complies	Cr	≤ 0.2000	0.042	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤ 0.3000	0.013	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				
										