



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)	25-30001	SHOWN ON PACKAGE	08 / 01 / 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	378	C	≤0.2000	0.078	Mo	≤0.3000	0.0015
Tensile Strength Rm(MPa)		≥430	460	Si	≤1.0000	0.095	V	≤0.0800	0.0043
Elongation A5 (%)		≥22	29	Mn	≤1.2000	0.45	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0081	Al	--	--
	Impact Absorbed Energy (J)	≥27	65 52 49	P	≤0.0400	0.017	Ti	--	--
X-Ray		Required	Complies	Cr	≤0.2000	0.028	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.3000	0.022	Fillet weld test of T-joint		Complies
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--) RINA (--)

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This is to certify that the welding consumable conform with
the standard
Signature



Inspection seal

