



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 A5.1-2012	BAUEN	6001002	1/8" (3.2MM)	25-30016	SHOWN ON PACKAGE	06 / 05 / 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	417	C	≤0.2000	0.11	Mo	≤0.3000	0.001	
Tensile Strength Rm(MPa)		≥430	488	Si	≤1.0000	0.061	V	≤0.0800	0.0039	
Elongation A5 (%)		≥22	25	Mn	≤1.2000	0.4	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.0045	Ti	--	--	
	Impact Absorbed Energy (J)	≥27	78 67 61	P	≤0.0400	0.019	Al	--	--	
X-Ray		Required	Complies	Cr	≤0.2000	0.031	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤0.3000	0.033	Fillet weld test of T-joint		Passed	
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

