



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	6001002	1/8" (3.2MM)	214674	SHOWN ON PACKAGE	2022-03-25

Mechanical Properties of Deposited Metal			Chemical Composition of Deposited Metal (%)						
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Tensile Strength Rel(MPa)		≥430	499	C	≤0.20	0.11	Mo	≤0.30	0.0051
Yield Strength Rm(MPa)		≥330	402	Si	≤1.00	0.12	V	≤0.08	0.0027
Elongation A5 (%)		≥22	31.5	Mn	≤1.20	0.44	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.019	Al	--	--
	Impact Absorbed Energy (J)	≥27	92 89 83	P	--	0.012	Ti	--	--
X-Ray		--	Complies	Cr	≤0.20	0.019	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.018	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

