



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	6001001	3/32" (2.4MM)	19-321	SHOWN ON PACKAGE	2019 / 08 / 02

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	350	C	≤ 0.20	0.14	Mo	≤ 0.30	0.0089
Tensile Strength Rm(MPa)		≥ 430	480	Si	≤ 1.00	0.11	V	≤ 0.08	0.0062
Elongation A5 (%)		≥ 22	23	Mn	≤ 1.20	0.42	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.013	Al	--	--
	Impact Absorbed Energy (J)	≥ 27	66 75 81	P	--	0.016	Ti	--	--
X-Ray		--	Complies	Cr	≤ 0.20	0.055	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤ 0.30	0.13	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

