



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	6001004	3/16" (4.8 MM)	22-30007	SHOWN ON PACKAGE	30-03-2022

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	415	C	≤0.2000	0.121	Mo	≤0.3000	0.001
Tensile Strength Rm(MPa)		≥430	493	Si	≤1.000	0.24	V	≤0.0800	0.009
Elongation A5 (%)		≥22.00	27	Mn	≤1.2000	0.74	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.0350	0.014	Al	--	--
	Impact Absorbed Energy (J)	≥27	65 113 65	P	≤0.0400	0.014	Ti	--	--
X-Ray		Required	Complies	Cr	≤0.2000	0.052	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.3000	0.015	Fillet weld test of T-joint		Complies
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--) RINA (--)

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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

