



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	AWSA5.1/5.1M-2012	BAUEN	6001001	3/32" (2.4MM)	21-30021	SHOWN ON PACKAGE	2022 / 09 / 26

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)		≥ 330.00	446	C	≤ 0.2000	0.13	Mo	≤ 0.3000	0.0012	
Tensile Strength Rm(MPa)		≥ 430.00	531	Si	≤ 1.0000	0.066	V	≤ 0.0300	0.0052	
Elongation A5 (%)		≥ 22.0000	26	Mn	≤ 1.2000	0.46	Cu	--	--	
Impact Test	Impact Temp (°C)	-30.00	-30	S	0.0350	0.012	Al	--	--	
	Impact Absorbed Energy (J)	≥ 27	89 97 91	P	0.0400	0.017	Ti	--	--	
X-Ray		--	--	Cr	≤ 0.2000	0.03	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤ 0.3000	0.026	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		Inspection seal				
										