



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
E6010	A5.1 / A5.1 M-2004	Bauen	6001002	1/8" (3.2mm)	18-375	Shown on Package	2018 / 05 / 10

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)		Min 330	418	C	≤0.2	0.080	Mo	≤0.30	0.002	
Tensile Strength Rm(MPa)		Min 430	495	Si	≤1.0	0.18	V	≤0.08	0.007	
Elongation A5 (%)		Min 220	25.0	Mn	≤1.20	0.55	Cu	--	--	
Sharp V noch	Impact Temp (°C)	--	-30	S	≤0.035	0.014	A1	--	--	
	Av. Absorbed Energy (J)	--	53 45 40	P	≤0.040	0.015	Ti	--	--	
X-Ray		--	--	Cr	≤0.20	0.012	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	≤0.3	0.013	--	--	--	
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				