



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	AWS A5.1/A5.1M-2012	Bauen	6001002	1/8" (3.2mm)	19-311	Shown on Package	2019 / 04 / 29

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	390	C	Max. 0.20	0.061	Mo	Max. 0.30	0.0014	
Tensile Strength Rm(MPa)		Min. 430	488	Si	Max. 1.00	0.081	V	Max. 0.080	0.0095	
Elongation A5 (%)		Min. 22	26.0	Mn	Max. 1.20	0.50	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	--	--	Fe	--	--	
	Av. Absorbed Energy (J)	Min. 27	70 75 77	P	--	--	Ti	--	--	
X-Ray		GB/T 3323 II	I	Cr	Max. 0.30	0.025	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	Max. 0.30	0.029	--	--	--	
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				
										