



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	6001004	3/16 (4.8mm)	19-316	Shown on Package	2019 / 06 / 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	376	C	Max. 0.20	0.093	Mo	Max. 0.30	0.0010	
Tensile Strength Rm(MPa)		Min. 430	457	Si	Max. 1.00	0.17	V	Max. 0.080	0.0040	
Elongation A5 (%)		Min. 22	28.5	Mn	Max. 1.20	0.62	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	--	0.0092	A1	--	--	
	Av. Absorbed Energy (J)	Min. 27	80 88 83	P	--	0.019	Ti	--	--	
X-Ray		II	I	Cr	Max. 0.30	0.017	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	Max. 0.30	0.049	--	--	--	
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				