



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
E7010	AWS A5.1/A5.1M-2004	Wissen	6007003	5/32" (4.0 mm)	18-3118	Shown on Package	2018 / 11 / 22

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)		≥400	461	C	≤0.20	0.057	Mo	Max. 0.3	0.12	
Tensile Strength Rm(MPa)		≥490	545	Si	≤0.90	0.18	V	Max. 0.08	0.012	
Elongation A5 (%)		≥20	21	Mn	≤0.125	0.55	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤0.035	0.0081	A1	--	--	
	Av. Absorbed Energy (J)	≥27	71 85 85	P	≤0.20	0.016	Ti	--	--	
X-Ray		--	--	Cr	≤0.20	0.013	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	≤0.30	0.020	--	--	--	
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				