



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
E6013	A5.1 / A5.1 M-2004	Stark	6001303	5/32" (4.0 mm)	181441	Shown on Package	2018 / 01 / 18

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	420	C	≤0.20	0.076	Mo	≤0.30	0.0045	
Tensile Strength Rm(MPa)		≥430	486	Si	≤1.0	0.22	V	≤0.08	0.0082	
Elongation A5 (%)		≥17	24.5	Mn	≤1.20	0.31	Cu	--	--	
Sharp V noch	Impact Temp (°C)	--	--	S	--	0.011	Al	--	--	
	Av. Absorbed Energy (J)	--	--	P	--	0.023	Ti	--	--	
X-Ray		II	I	Cr	≤0.20	0.023	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	≤0.30	0.016	--	--	--	
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				
										