



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	AWS A5.1/A5.1M-2004	Stark	6001301	3/32" (2.4mm)	191424	Shown on Package	2019 / 06 / 24

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)		≥ 430	473	C	≤ 0.20	0.089	Mo	≤ 0.30	0.0035	
Tensile Strength Rm(MPa)		≥ 330	382	Si	≤ 1.0	0.22	V	≤ 0.08	0.0069	
Elongation A5 (%)		≥ 17	27.0	Mn	Max. 1.20	0.31	Cu	--	--	
Sharp V noch	Impact Temp (°C)	-30	-30	S	--	0.014	Al	--	--	
	Av. Absorbed Energy (J)	--	--	P	--	0.022	Ti	--	--	
X-Ray		II	I	Cr	≤ 0.20	0.031	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	≤ 0.30	0.0035	--	--	--	
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				
										