



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 ASME SFA-5.1/SFA-5.1M	STARK	6001302	1/8" (3.2MM)	251440	Shown on Package	14 / 07 / 2025

Mechanical Properties of Deposited Metal				Chemical Composition of Deposited Metal (%)					
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Tensile Test	Yield Strength Rel(MPa)	≥330	434	C	≤0.20	0.077	Mo	≤0.30	0.0043
	Tensile Strength Rm(MPa)	≥430	510	Si	≤1.00	0.21	V	≤0.08	0.0081
	Elongation A5 (%)	≥17	27.5	Mn	≤1.20	0.33	Cu	--	--
Impact Test	Impact Temp (°C)	--	0	S	--	0.013	--	--	--
	Impact Absorbed Energy (J)	--	86 91 85	P	--	0.028	--	--	--
X-Ray		--	Complies	Cr	≤0.20	0.10	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.034	Fillet weld test of t-joint		Passed
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			
				APPROVED BY LIAO YUGANG		HoffmanArc®			