



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E6013		Norm AWS A5. 1-2012	Brand Name STARK	Part # 6001301	Diameter 3/32" (2.4MM)	Lot No. 23-1416	Manufactured Date Shown on Package	Date of Issue 2024-04-15	
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	381	C	≤0.20	0.082	Mo	≤0.30	0.0039
	Tensile Strength Rm(MPa)	≥430	485	Si	≤1.0	0.27	V	≤0.08	0.0069
	Elongation A5 (%)	≥17	27.0	Mn	≤1.20	0.31	--	--	--
Impact Test	Impact Temp (°C)	--	0	S	--	0.016	--	--	--
	Impact Absorbed Energy (J)	--	85 83 87	P	--	0.030	--	--	--
X-Ray		--	Complies	Cr	≤0.20	0.089	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.019	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					