



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" (2.5MM)	Lot No. 241415	Manufactured Date Shown on Package	Date of Issue 25 / 07 / 2024
---------------	------------------------	---------------------	-------------------	---------------------------	-------------------	---------------------------------------	---------------------------------

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	367	C	≤0.20	0.10	Mo	≤0.30	0.0028
	Tensile Strength Rm(MPa)	≥430	487	Si	≤1.0	0.26	V	≤0.08	0.0091
	Elongation A5 (%)	≥17	27.5	Mn	≤1.20	0.35	--	--	--
Impact Test	Impact Temp (°C)	--	--	S	--	0.015	--	--	--
	Impact Absorbed Energy (J)	--	80 87 89	P	--	0.029	--	--	--
X-Ray		--	Complies	Cr	≤0.20	0.071	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.044	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®			