



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E6013	Norm AWS A5. 1-2012	Brand Name STARK	Part # 6001303	Diameter 5/32" (4.0 MM)	Lot No. 221461	Manufactured Date Shown on Package	Date of Issue 2022 / 03 / 28
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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	392	C	≤0.20	0.089	Mo	≤0.30	0.0048	
	Tensile Strength Rm(MPa)	≥430	476	Si	≤1.00	0.25	V	≤0.08	0.0061	
	Elongation A5 (%)	≥17	31.0	Mn	≤1.20	0.39	--	--	--	
Impact Test	Impact Temp (°C)	--	0	S	--	0.014	--	--	--	
	Impact Absorbed Energy (J)	--	90	P	--	0.024	--	--	--	
X-Ray		Required	Complies	Cr	≤0.20	0.029	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.017	Fillet weld test of t-joint		Complies	
Approved Classification Grade		GCS (--)	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

APPROVED
BY LIAO
YUGANG

Inspection seal

