



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
AWS E71T-11	AWS A5.20/ASME SFA-5.20/SFA-5.20M	FLUX CORED	600571 1	0.030" (0.8mm)	25-29043	SHOWN ON PACKAGE	30 / 10 / 2025

Mechanical Properties of Deposited Metal	Chemical Composition of Deposited Metal [%]
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Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Yield Strength Rel(MPa)		≥390	485	C	≤0.30	0.073	Mo	--	--
Tensile Strength Rm(MPa)		490-670	574	Si	≤0.60	0.31	V	--	--
Elongation A(%)		≥20	27.0	Mn	≤1.75	1.25	Cu	--	--
Impact Test	Impact Temp (°C)	--	--	S	≤0.03	0.006	Cr	--	--
	Impact Absorbed Energy (J)	--	--	P	≤0.03	0.006	--	--	--
X-Ray		--	--	Al	≤1.8	1.23	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	--	--	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

APPROVED
BY LIAO
YUGANG

Inspection seal

