



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 E6011	AWS A5.1/A5.1M-2012	TREFFEN	6001102	1/8" (3.2MM)	20-306	SHOWN ON PACKAGE	2020 / 04 / 20

Mechanical Properties of Deposited Metal			Chemical Composition of Deposited Metal (%)						
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Yield Strength Rel(MPa)		Min. 330	450	C	Max. 0.20	0.084	Mo	Max. 0.30	0.0097
Tensile Strength Rm(MPa)		Min. 430	510	Si	Max. 1.00	0.093	V	Max. 0.08	0.0050
Elongation A5 (%)		Min. 22	24	Mn	Max. 1.20	0.53	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	Max. 0.035	0.012	Al	--	--
	Impact Absorbed Energy (J)	Min. 27	82 67 58	P	Max. 0.040	0.016	Ti	--	--
X-Ray		II	Complies	Cr	Max. 0.20	0.047	--	--	--
Hydrogen Content (ml/100g)		--	6.53	Ni	Max. 0.30	0.012	Fillet weld test of T-joint		Complies
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--) RINA (--)

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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

