



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)	215170	SHOWN ON PACKAGE	2022-02-25

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)		≥330	413	C	≤0.20	0.12	Mo	≤0.30	0.0046
Tensile Strength Rm(MPa)		≥430	520	Si	≤1.0	0.30	V	≤0.08	0.0039
Elongation A5 (%)		≥22	25.5	Mn	≤1.2	0.72	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.014	Al	--	--
	Impact Absorbed Energy (J)	≥27	62 59 55	P	--	0.019	Ti	--	--
X-Ray		--	Complies	Cr	≤0.20	0.026	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.015	Fillet weld test of T-joint		Complies
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

