



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)	215217	SHOWN ON PACKAGE	2022-05-07

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	445	C	≤0.20	0.12	Mo	≤0.30	0.013
Tensile Strength Rm(MPa)		≥430	553	Si	≤1.0	0.30	V	≤0.08	0.0050
Elongation A5 (%)		≥22	30.0	Mn	≤1.2	0.73	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	--	0.0076	Al	--	--
	Impact Absorbed Energy (J)	≥27	58 50 40	P	--	0.010	Ti	--	--
X-Ray		--	Complies	Cr	≤0.20	0.068	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.048	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

