HoffmanArc®

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 E6010	AWS A5.1/A5.1M ASME SFA-5.1/SFA-5.1M	BAUEN	6001003	5/32" (4.0mm)	26-30018	SHOWN ON PACKAGE	3 / 08 / 2026

Mechanical Properties of Deposited Metal

Item		Requirement	Actual Result
Yield Strength Rel(MPa)		≥330	416
Tensile Strength Rm(MPa)		≥430	485
Elongation A5 (%)		≥22	26
Impact Test	Impact Temp (℃)	-30	-30
	Impact Absorbed Energy (J)	≥27	78 65 61
X-Ray		Required	Passed
Hydrogen Content (ml/100g)		--	--

Chemical Composition of Deposited Metal (%)

Element	Requirement	Actual Result	Element	Requirement	Actual Result
C	≤0.20	0.085	Mo	≤0.30	0.01
Si	≤1.00	0.12	V	≤0.08	0.0056
Mn	≤1.20	0.52	Cu	--	--
S	--	0.014	Ti	--	--
P	--	0.012	Al	--	--
Ni	≤0.30	0.062	--	--	--
Cr	≤0.20	0.065	Fillet weld test of T-joint		Passed

Approved Classification Grade								
CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)	RINA (--)

This is to certify that the welding consumable conform with the standard

Signature 廖宇刚

Inspection seal

HoffmanArc® The most reliable welding