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 E7018	AWS A5.1/A5.1M ASME SFA-5.1/SFA-5.1M	SINNVOLL	6001802	1/8" (3.2mm)	26-81064	SHOWN ON PACKAGE	4 / 08 / 2026

Mechanical Properties of Deposited Metal

Item		Requirement	Actual Result
Yield Strength Rel(MPa)		≥400	448
Tensile Strength Rm(MPa)		≥490	554
Elongation A5 (%)		≥22	25
Impact Test	Impact Temp (℃)	-30	-45
	Impact Absorbed Energy (J)	≥27	107 109 114
X-Ray		--	--
Hydrogen Content (ml/100g)		--	--

Chemical Composition of Deposited Metal (%)

Element	Requirement	Actual Result	Element	Requirement	Actual Result
C	≤0.15	0.12	Mo	≤0.30	0.005
Si	≤0.75	0.48	V	≤0.08	0.006
Mn	≤1.60	1.27	Cu	--	--
S	≤0.035	0.016	Ti	--	--
P	≤0.035	0.024	Al	--	--
Ni	≤0.30	0.01	--	--	--
Cr	≤0.20	0.04	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

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