

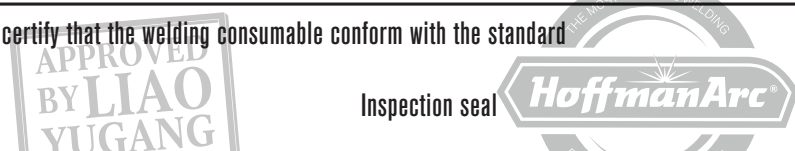


THE MOST RELIABLE WELDING®

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	SINNVOLL	6001801	3/32" (2.4MM)	19-1248	SHOWN ON PACKAGE	2019 / 11 / 12

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. 400	460	C	Max. 0.15	0.072	Mo	Max. 0.30	0.0017	
Tensile Strength Rm(MPa)		Min. 490	590	Si	Max. 0.75	0.50	V	Max. 0.08	0.0078	
Elongation A5 (%)		Min. 22	27	Mn	Max. 1.60	1.36	Cu	--	--	
Impact Test	Impact Temp (°C)	-30	-30	S	Max. 0.035	0.0096	Al	--	--	
	Impact Absorbed Energy (J)	Min. 27	101 112 105	P	Max. 0.035	0.014	Ti	--	--	
X-Ray		II	Complies	Cr	Max. 0.20	0.029	--	--	--	
Hydrogen Content (ml/100g)		--	6.45	Ni	Max. 0.30	0.0010	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		Inspection seal				

APPROVED
BY LIAO
YUGANG

