



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type	Norm/code	Part No.	Brand Name	Diameter	Lot No.	Manufactured Date	Date of Issue
E7018	A5.1 / A5.1 M-2004	6001804	Sinnvoll	3/16" (4.8mm)	18-1247	Shown on Package	2018/03/30

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	507	C	≤ 0.15	0.072	Mo	≤ 0.30	0.013
Tensile Strength Rm(MPa)		Min. 490	601	Si	≤ 0.75	0.70	V	≤ 0.08	0.017
Elongation A5 (%)		Min. 22.0	25.5	Mn	≤ 1.6	1.46	Cu	--	--
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤ 0.035	0.010	A1	--	--
	Av. Absorbed Energy (J)	Min. 27	79 125 111	P	≤ 0.035	0.020	Ti	--	--
X-Ray		--	--	Cr	≤ 0.2	0.029	--	--	--
Hydrogen Content (ml/130g)		--	--	Ni	≤ 0.3	0.028	--	--	--
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

