



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E7018	Norm A5.1 / A5.1 M-2004	Part No. 6001804	Brand Name Sinnvoll	Diameter 3/16" (4.8mm)	Lot No. 17-1255	Manufactured Date Shown on Package	Date of Issue 2016/03/24		
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)		≤ 400	445	C	≤ 0.15	0.095	Mo	≤ 0.30	0.002
Tensile Strength Rm(MPa)		≥490	566	Si	≤ 0.75	0.58	V	≤ 0.08	0.008
Elongation A5 (%)		≥22	28.5	Mn	≤ 1.60	1.28	Cu	--	--
Sharp V noch	Impact Temp (°C)	-30	-30	S	≤ 0.035	0.010	Al	--	--
	Av. Absorbed Energy (J)	≥27	119 141 147	P	≤ 0.035	0.022	Ti	--	--
X-Ray		--	--	Cr	≤ 0.20	0.009	--	--	--
Hydogen Content (ml/130g)		--	--	Ni	≤ 0.30	0.017	--	--	--
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					
									