



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
E312-16	AWS A5. 4-2012	STUCK	6003203	5/32" (4.0 MM)	203003C	Shown on Package	28-07-2020

Mechanical Properties of Deposited Metal				Chemical Composition of Deposited Metal (%)						
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Tensile Test	Yield Strength Rel(MPa)	--	--	C	≤0.15	0.083	Mo	≤0.75	0.048	
	Tensile Strength Rm(MPa)	≥660	864	Si	≤1.00	0.85	Cu	≤0.75	0.022	
	Elongation A5 (%)	≥22	23.0	Mn	0.5~2.5	1.14	Fe	--	--	
Impact Test	Impact Temp (°C)	--	0	S	≤0.03	0.0067	--	--	--	
	Impact Absorbed Energy (J)	--	--	P	≤0.04	0.026	--	--	--	
X-Ray		--	Complies	Cr	28.0~32.0	30.25	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	8.0~10.5	9.70	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				
										