



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	STÜCK	6003202	1/8" (3.2MM)	213120C	Shown on Package	2021 / 06 / 01

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	0.081	Mo	≤0.75	0.049	
	Tensile Strength Rm(MPa)	≥660	806	Si	≤1.00	0.86	Cu	≤0.75	0.050	
	Elongation A5 (%)	≥22	30.5	Mn	0.5~2.5	1.20	--	--	--	
Impact Test	Impact Temp (°C)	--	--	S	≤0.03	0.0052	--	--	--	
	Impact Absorbed Energy (J)	--	--	P	≤0.04	0.027	--	--	--	
X-Ray		Required	Complies	Cr	28.0~32.0	29.77	--	--	--	
Ferrite Number (FN)		--	40.2	Ni	8.0~10.5	9.93	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		HoffmanArc®				