



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
E7010-A1	AWS A5.5-2014	E7010-A1	6007012	1/8" (3.2MM)	215322	Shown on Package	2022 / 03 / 18

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)	≥390	444	C	≤0.12	0.11	Mo	0.40~0.65	0.41	
	Tensile Strength Rm(MPa)	≥490	544	Si	≤0.40	0.17	V	--	--	
	Elongation A5 (%)	≥22	25.0	Mn	≤0.60	0.42	--	--	--	
Impact Test	Impact Temp (°C)	--	--	S	≤0.03	0.0054	--	--	--	
	Impact Absorbed Energy (J)	--	--	P	≤0.03	0.0063	--	--	--	
X-Ray		--	--	Cr	--	--	--	--	--	
Moisture Test		≤0.4	0.12	Ni	--	--	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				
										