



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type	Norm	Brand Name	Part #	Specification	Lot No.	Wire in Coil	Weight
ER - 4043	AWS A5.10 / A5.10M-2012	KENNER	6004303	3.2MM 5KG/BOX	CY2116-32T	TIG	30 LBS (13,62 KG)

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)		--	--	Si	4.5 - 6.0	5.06	Al	Remainder	Rest	
Tensile Strength Rm(MPa)		--	--	Fe	Max. 0.8	0.137	V	--	--	
Elongation A5 (%)		--	--	Cu	Max. 0.30	0.009	Cu	--	--	
Impact Test	Impact Temp (°C)	--	--	Mn	Max. 0.05	<0.0005	Al	--	--	
	Impact Absorbed Energy (J)	--	--	Mg	Max. 0.05	0.0029	Ti	--	--	
X-Ray		--	--	Zn	Max. 0.10	<0.001	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ti	Max. 0.20	0.023	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				