

TOKO TECHNOLOGY (WUXI) CO.,LTD

CERTIFICATE OF CONFORMANCE

Customer: XXX Shipbuilding Corp., **Lot No.:** 200716 **Contract No.:** TOKO20200728

Classification: AWS A5.20 E71T-1C / ASME-SFA 5.20 **Size:** φ1.2mm, 15.0Kg/Spool

TOKO E71T-1C is a gas-shielded carbon steel wire for fabrication of mild and low carbon steel; structural and pressure vessel grades. Adopt DC reversed polarity, the penetration is deep and the impact toughness is good. It has excellent processing property, less smoke, gentle and stable arc, thick and easily removed welding slag, and good X RT. It is used for the welding of ships, storage tanks, containers, steelworks, boilers and pipelines, etc.

Chemical Composition of deposited metal (%)

Item	C	Mn	Si	P	S	Ni	Cu	Mo	Cr	V
Required	≤0.12	≤1.75	≤0.90	≤0.03	≤0.03	≤0.03	≤0.35	≤0.30	≤0.20	≤0.08
Test	0.070	1.270	0.45	0.012	0.002	0.090	0.022	0.007	0.020	0.010

Mechanical Properties of deposited Metal

Item	Yield Point σ _s (MPa)	Tensile Strength σ _b (MPa)	Elongation A ₅ (%)	Charpy V-notch Impact Toughness		
				Test Temp. (°C)	Impact Energy (J)	Average (J)
Required	≥400	490~670	≥22	-20	≥27	
Test	535	585	27.5	-20	156 156 156	156

Non-destructive testing: PASS

Fillet Weld Test: PASS

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Total Weight: 25920.00KG

Inspector: Linda Chow

TOKO GROUP / QC Dept.,

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