

TOKO TECHNOLOGY (WUXI) CO.,LTD

MILL TEST CERTIFICATE

Contract No.: TOKO20210518

Classification: AWS A5.29 E81T1-K2C

Mfg date: 04/25/2021, Lot No.: 10425712, Size: 1.2MM

**Chemical Composition of deposited metal (%)**

Item	C	Mn	Si	P	S	Cr	Ni	Mo	V
Standard	≤0.15	0.50~1.75	≤0.80	≤0.030	≤0.030	≤0.15	1.00~2.00	≤0.35	≤0.05
Test	0.06	1.26	0.20	0.011	0.008	0.02	1.20	0.003	0.007

**Mechanical Properties of Deposited Metal**

Item	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)	Charpy V-notch Impact Toughness			Welding Condition			
				Test Temp. (°C)	Impact Energy (J)	Average (J)	Type of Current	Amperage	Arc Voltage	Shielding Gas
Standard	≥470	550~690	≥19	-30	≥47		DCEP	250-280A	28-30V	CO2
Test	590	651	26.5	-45	70 71 72	71	DCEP			

Radio graphic Test: PASS

Fillet Weld Test: PASS

Total Weight: 25,920KGs

Inspector: Linda Chow

Date: 2021-04-28



*The information contained or otherwise referenced herein is presented only as "typical" without guarantee or warranty, and TOKO Corporation expressly disclaims any liability incurred from any reliance thereon. Typical data and Test results for mechanical properties, deposit or electrode composition and other properties were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application*