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WELDING CONSUMABLE CERTIFICATE

Report No.: 7396149

Port of: Kobe Port

Date: 15 April 2026

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF KOBE STEEL, LTD. IBARAKI PLANT ATTEND THEIR , PLANT AT IBARAKI, OSAKA PREF. & FUJISAWA, KANAGAWA PREF., JAPAN ON 08 January 2026 , AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE GAS METAL ARC WELDING INCLUDING MIG/TIG WELDING SECTION:

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE
DW-309LP	AWS A5.22-2012	E309LT1-1	CO2	All	DCEP	1.2 - 1.6 mm
DW-309LP	AWS A5.22-2012	E309LT1-4	80%Ar-20%CO2	All	DCEP	1.2 - 1.6 mm
DW-329AP	AWS A5.22-2012	E2209T1-1	C1	All	DCEP	1.2 mm
DW-329AP	AWS A5.22-2012	E2209T1-4	80%Ar-20%CO2	All	DCEP	1.2 mm
DW-N609S	-	**1	C1	F, Vup, H	DCEP	1.2 mm
DW-N609SV	-	**2	C1	F, Vup, HF	DCEP	1.2 mm
DW-N625	-	**3	80%Ar-20%CO2	F, Vup, HF	DCEP	1.2 mm
DW-N709S	AWS A5.34-2013	E2NiMo13	C1	F, H, HF	DCEP	1.2 mm
DW-N709SP	ISO 12153-2011	T Ni 1013P**4	C1	F, H, Vup, HF	DCEP	1.2 mm
DW-N709SP	ISO 12153-2011	T Ni 1013P**5	80%Ar-20%CO2	F, H, Vup, HF	DCEP	1.2 mm

Note: F: Flat(1G) / H: Horizontal(2G) / Vup: Vertical Upward(3G-u) / Vd: Vertical Down(3G-d) / O: Overhead(4G) / All: F,H,Vup,Vd & O, HF: H-Fillet



**1 Manufacture's Guaranteed: min. Y.S. 430 MPa, T.S. 690 MPa, El 25%, CVN min. 34 Joule at Minus 196 Cen. Deg.

**2 Manufacture's Guaranteed: min. Y.S. 430 MPa, T.S. 690 MPa, El 25%, CVN min. 34 Joule at Minus 196 Cen. Deg.

**3 Manufacture's Guaranteed: min. Y.S. 430 MPa, T.S. 690 MPa, El 35%, CVN min. 50 Joule at Minus 196 Cen. Deg.

**4 Manufacture's Guaranteed: min. Y.S. 430 MPa, T.S. 690 MPa, El 35%, CVN min. 50 Joule at Minus 196 Cen. Deg.

**5 Manufacture's Guaranteed: min. Y.S. 430 MPa, T.S. 690 MPa, El 35%, CVN min. 50 Joule at Minus 196 Cen. Deg.


Electronically Signed By
Okada, Shigetoshi, KOBELCO
Surveyor 

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