



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 075277-6213302-001_____

Report No.: 6213302_____

Port of: KOBE, JAPAN_____


Date: 17 APRIL 2024_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF KOBE STEEL, LTD. IBARAKI PLANT, JAPAN, ATTEND THE PLANT AT IBARAKI & FUJISAWA, ON THE 11TH DAY OF JANUARY, 2024, 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	1.2-1.6mm
DW-309LP	AWS A5.22-2012	E309LT1-4	M21	All	DCEP	1.2-1.6
DW-329AP	AWS A5.22-2012	E2209T1-1	C1	All	DCEP	1.2
DW-329AP	AWS A5.22-2012	E2209T1-4	M21	All	DCEP	1.2
DW-N609SV	**		C1	F, Vup, HF	DCEP	1.2
** Manufacturer's Guaranteed min. Y.S. 430 MPa, T.S. 690 MPa, El. 25%, CVN min. 34 Joule at MINUS 196 Cen. Deg.						
DW-N625	**		80%Ar-20%CO2	F, Vup, HF	DCEP	1.2
** Manufacturer's Guaranteed min. Y.S. 430 MPa, T.S. 690 MPa, El. 35%, CVN min. 50 Joule at Minus 196 Cen. Deg.						
DW-N709S	AWS A5.34-2013	E2NiMo13	C1	F, H, HF	DCEP	1.2
DW-N709SP	ISO 12153-2011	T Ni 1013P **	C1	F, H, Vup, HF	DCEP	1.2
** Manufacturer's Guaranteed min. Y.S. 430 MPa, T.S. 690 MPa, El. 35%, CVN min. 50 Joule at Minus 196 Cen. Deg.						
DW-N709SP	ISO 12153-2011	T Ni 1013P **	80%Ar-20%CO2	F, H, Vup, HF	DCEP	1.2
** Manufacturer's Guaranteed min. Y.S. 430 MPa, T.S. 690 MPa, El. 35%, CVN min. 50 Joule at Minus 196 Cen. Deg.						


T. OKAMOTO, SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.