



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 075277-5093599-001

Report No.: 5093599

Port of: KOBE, JAPAN

Date: 24 NOVEMBER 2022

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF KOBE STEEL, LTD. IBARAKI PLANT, JAPAN, ATTEND THEIR PLANT AT IBARAKI & FUJISAWA, JAPAN, ON THE 7TH DAY OF JANUARY, 2022 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 FLUX CORED ARC WELDING SECTION:

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE
DW-100E	ABS	3YSA, 3Y400SA (H10)	C1	All, V-Down	DCEP	1.2-1.6 mm
DW-100ES	ABS	3Y400SA	C1	All, V-Down	DCEP	1.2-1.4
DW-55E	ABS	4Y400SA (H5)	C1	All, V-Down	DCEP	1.2-1.4
DW-55E	ABS	4Y400SA (H5)	C1	F, V-Up, H	DCEP	1.6
DW-62L	ABS	5YQ500 (H5)	C1	All	DCEP	1.2
DW-Z1	ABS	2YSA (H10)	C1	All, V-Down	DCEP	1.2-1.6
MX-200E	ABS	4Y400SA (H5)	C1	F, H, HF	DCEP	1.2-1.4
MX-200F	ABS	2YSA, 2Y400SA	C1	FF, HF	DCEP	1.2-1.4
MX-200S	ABS	2Y400SA (H5)	C1	F, HF	DCEP	1.2-1.6
MX-Z200K	ABS	2YSA	C1	F	DCEP	1.4
MX-Z200K	ABS	2YSA	C1	V-Up	DCEP	1.4

(Fillet Welding Only)

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.