

COPY



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 083254-5106571-002_____

Report No.: 5106571_____

Port of: Yokohama (Kanto), Japan_____

Date: 11 March 2022_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF NIPPON STEEL WELDING & ENGINEERING CO., LTD. NARASHINO PLANT, ATTEND THE PLANT AT CHIBA PREFECTURE, JAPAN, ON THE 17 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:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
SM-1S · GP	ABS	2Y SA H5/ 2Y400 SA H5	CO2	Flat, HF	DCEP	1.2-1.4 mm
SF-3A	ABS	3Y SA H5	80%Ar-20%CO2	All	DCEP	1.2-1.6 mm
SF-3Y	ABS	3Y400 SA H5	CO2	All	DCEP	1.2-1.4 mm
SF-50E	ABS	5YQ500 SA H5	CO2	All	DCEP	1.2 mm
SF-80A	ABS	4YQ690 SA	80%Ar-20%CO2	All	DCEP	1.2 mm
FC-1	ABS	2YSA H10	CO2	All, V-down	DCEP	1.2-1.6mm
AS-1	ABS	2YSA H10	CO2	All, V-down	DCEP	1.2-1.6mm
FCM-1F	ABS	2YSA H10 2Y400SA H10	CO2	F	DCEP	1.2-1.6mm
PI-22	ABS	2YSA H10 2Y400SA H10	CO2	F	DCEP	1.2-1.6mm


Yukiko Sugimoto, 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.