

**COPY****WELDING CONSUMABLE CERTIFICATE**

Certificate No.: 083254-3722008-002_____

Report No.: YO3722008_____

Port of: Yokohama(Kanto), Japan_____


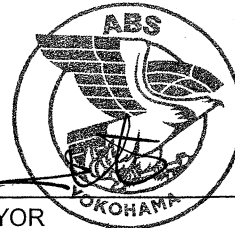
Date: 30 October 2019_____

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 THEIR PLANT AT NARASHINO-CITY, CHIBA-PREF., JAPAN, ON THE 4TH DAY OF SEPTEMBER, 2019 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
SF-1 · GP	ABS	2YSA, 2Y400SA, H5	CO2(C1)	All (inc.V-down)	DCEP	1.2-1.6mm
SM-1F · GP	ABS	2YSA, 2Y400SA, H5	CO2(C1)	Flat, H/Fillet	DCEP	1.2-1.6mm
SM-1F · GP(x2)	ABS	2YA, 2Y400A, H5	CO2(C1)	H/Fillet	DCEP	1.6/1.6mm
SF-1E	ABS	3Y400SA H5	CO2(C1)	All (inc.V-down)	DCEP	1.2-1.4mm
SF-3E	ABS	4YQ420SA, H5	CO2(C1)	All, H/Fillet	DCEP	1.2-1.6mm OH 1.2mm
SF-50A	ABS	4Y500SA, H5	80%Ar- 20%CO2 (M21)	All	DCEP	1.2mm
SM-80A	ABS	4YQ690SA, H5	80%Ar- 20%CO2 (M21)	Flat, Horizontal, H/Fillet	DCEP	1.2mm


Kenichi Matsumoto, 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.