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## WELDING CONSUMABLE CERTIFICATE

Certificate No.: 083238-5323619-003 \_\_\_\_\_

Report No.: 5323619.R1 \_\_\_\_\_

Port of: Nagasaki, Japan \_\_\_\_\_

Date: 30 August 2022 \_\_\_\_\_

### THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF NIPPON STEEL WELDING & ENGINEERING CO., LTD., ATTEND THE PLANT AT HIKARI, YAMAGUCHI, JAPAN, ON THE 01ST DAY OF JULY, 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 (mm)
SF-1	ABS	2YSA H5	CO2	ALL, Vd	DCEP	1.0 - 1.6
SF-1	ABS	2Y400SA H5	CO2	ALL, Vd	DCEP	1.2 - 1.6
SF-3	ABS	3YSA H5 3Y400SA H5	CO2	ALL, Vd, HF	DCEP	1.2 - 1.6
SF-3Y	ABS	3Y400SA H5	CO2	ALL, Vd, HF	DCEP	1.2 - 1.4
SF-3E	ABS	4YQ420SA H5	CO2	ALL, HF	DCEP	1.2 - 1.6
SF-3A	ABS	3YSA H5	80% Ar 20% CO2	ALL, HF	DCEP	1.2 - 1.6
SF-3AM	ABS	5YQ460SA H5	80% Ar 20% CO2	ALL, HF	DCEP	1.2 - 1.6

Position Note: F-Flat, H-Horizontal, V-Vertical Upward, Vd-Vertical Down, O-Overhead, HF-Horizontal Fillet, ALL-F, H, V, O.




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Kageyama, Shingo, SURVEYOR

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