

COPY

Certificate No.: 083238-7357287-027



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WELDING CONSUMABLE CERTIFICATE

Report No.: 7357287

Port of: Nagasaki Port

Date: 19 March 2026

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF NIPPON STEEL WELDING & ENGINEERING CO., LTD ATTEND THEIR PLANT AT HIKARI, JAPAN ON 20 January 2026, 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-1A	ABS	3YSA H5	70-80%Ar + CO2	All	DCEP	1.0 - 1.4mm
SM-1F	ABS	2YSA H5	CO2	F, H	DCEP	1.2 - 1.6mm
WE-71T	ABS	3YSA H5	CO2	All, Vd	DCEP	1.2 - 1.6mm
WE-71T	ABS	3YSA H5	80%Ar + 20%CO2	All, Vd	DCEP	1.2 - 1.6mm
SF-N309L	-	Mrs's*2	-	F, H	DCEP	1.2mm

*2: Mfr's Guarantee min. properties; TS 510 N/sq mm, Min. YP 245 N/sq mm, Min. EL 30%, CNV 34J at -20C

Note: F-Flat(1G) / H-Horizontal(2G) / Vu-Vertical Upward(3G-u) / Vd-Vertical Down(3G-d) / O-Overhead(4G) / All-F,H,Vu & O

Electronically Signed By
Kobayashi, Eiji, Nagasaki Port
Surveyor

