



Welding Consumable Certificate

Certificate No.: 083254-5578412-002	_
Report No.: 5578412	
Port of. Yokohama (Kanto), Japan	
Date: 25 January 2023	

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 05 DAY OF DECEMBER, 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		GRADE	SHIELDING	TO Western	CURRENT/	
NAME	SPECIFICATION	OR CLASS	GAS	POSITION	<u>POLARITY</u>	SIZE
SM-1S	ABS	2YSA,	CO2	All, V-down	DCEP	1.2-1.4 mm
		2Y400A H5				
SM-1F (x2)	ABS	2YA,	CO2	2F	DCEP	1.6 mm
		2Y400A H5				
SX-3	ABS	3YSA,	CO2	Flat, H, F	DCEP	1.2-1.4 mm
		3Y400SA H5		(1G,2F)		
SF-3	ABS	3YSA,	CO2	All, V-down	DCEP	1.2-1.6 mm
170		3Y400SA H5				
SF-1A.CL	ABS	3YSA H5	80%Ar-20%CO2	All	DCEP	1.2 mm
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M21			
SF-50A.CL	ABS	4YQ500SA	80%Ar-20%CO2	All	DCEP	1.2 mm
		H5	M21			
SF-3M	ABS	4Y400SA H5	CO2	All, V-down	DCEP	1.2-1.4 mm
SM-3A	ABS	4Y400SA H5	80% Ar-	All, V-down	DCEP	1.2-1.4 mm
475	44		20% CO2			
SF-47E	ABS	5Y400SA H5*	CO2	All, V-down	DCEP	1.2 mm
*Y.P.: 460	N/mm2 min., T.S.: 570	-690 N/mm2, El. M	in. 22 %, CVN: 64 J	min. at -20 deg.C	;	
FC-9NI	Other	Mfr's Spec**	CO2	All	DCEP	1.2 mm
**0.2 % Y	S.: 420 N/mm2 min., T	S.: 690 N/mm2 min	1 CVN 27 J min. at	-196 deg.C		



Kurihara, Takehiro, SURVEYOR

Note:

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