



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 900888-4701007-003

Report No.: 4701007

Port of: SHANGHAI, P. R. CHINA

Date: 09-Jun-2021

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF HYUNDAI WELDING (KUNSHAN) CO., LTD., ATTEND THEIR PLANT AT NO. 168 SHANPU ROAD, QIANDENG, KUNSHAN, JIANGSU, P. R. CHINA, ON THE 24TH DAY OF MARCH, 2021 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
SC-70A	ABS	3YSAH5	100% CO2	ALL	DCEP	1.2-1.6mm
SC-70A	ABS	3YSAH5	80%Ar+20%CO2	ALL	DCEP	1.2-1.6mm
SC-70H Cored	ABS	3YSAH10	100% CO2	F, HF	DCEP	1.6-2.4mm
SC-71LH	ABS	3YSAH5	100% CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
SC-71LHM Cored	ABS	3YSAH5	80%Ar+20%CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
SF-70MX	ABS	2YSAH10	100% CO2	F, HF	DCEP	1.2-1.6mm
SF-71	ABS	2YSAH10	100% CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
SF-71MC	ABS	3YSAH10	100% CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
SF-71MC	ABS	3YSAH10	75%Ar+25%CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
SC-81K2H	ABS	5YQ460SAH5	100% CO2	ALL, V-DOWN	DCEP	1.2-1.4mm

Yang, Honglin 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.



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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
Supercored 71	ABS	3YSAH10	100% CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
Supercored 71H	ABS	3YSAH5	100%CO2	ALL, V-DOWN	DCEP	1.6mm
Supercored 71H	ABS	4YSAH5	100% CO2	ALL, V-DOWN	DCEP	1.2-1.4mm
Supercored 71MAG	ABS	3YSAH10	80%Ar+20%CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
Supercored 81-K2	ABS	5Y400SAH5	100%CO2	ALL, V-DOWN	DCEP	1.2-1.6mm
SW-308L Cored	AWS A5.22	E308LT1-1	100% CO2	ALL	DCEP	0.9-1.6mm
Note: The manufacturer's guaranteed properties: CVN Impact Value: $\geq 29J$ @ -120 °C						
SW-309L Cored	AWS A5.22	E309LT1-1	100% CO2	ALL	DCEP	0.9-1.6mm
SW-316L Cored	AWS A5.22	E316LT1-1	100% CO2	ALL	DCEP	0.9-1.6mm
Supercored 70MXH	ABS	3YSAH5	100%CO2	F	DCEP	1.2-1.6mm
Supercored 70M XH + Supercored 70MXH	ABS	3YA	100% CO2	F-FILLET	DCEP	1.2-1.6mm

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