



WELDING CONSUMABLE CERTIFICATE

Certificate No: 7941486-3746220-001_____

Report No: 3746220_____

Port of: CN QINGDAO BRANCH PORT_____

Date: 23-November-2019_____


THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF KOBE WELDING OF QINGDAO CO., LTD., ATTEND THE PLANT AT QINGDAO, P.R.CHINA, ON THE 21 DAY OF OCTOBER, 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
DW-100	ABS	2YSA;2Y400SA(H10)	CO2	ALL, V-down	DCEP	1.2~1.4mm
MX-200	ABS	2YSA;2Y400SA(H5)	CO2	F	DCEP	1.2~1.4mm
MX-200H	ABS	3YA;3Y400SA(H5)	CO2	F, H-fillet	DCEP	1.2~1.6mm
MX-200H(x2)	ABS	3YA;3Y400A	CO2	F, H-fillet	DCEP	1.4~1.6mm
(x2:Automatic twin-wire Tandem Welding)						
DW-55L	ABS	3YSA(H5);5Y400SA(H5)	CO2	ALL, V-down	DCEP	1.2~1.4mm
FRONTIARC-711	ABS	3YSA(H10)	CO2	ALL, V-down	DCEP	1.1~1.6mm
FRONTIARC-711	ABS	3YSA(H10),3YSA	80%Ar&20%CO2	ALL, V-down	DCEP	1.1~1.6mm
DW-100E	ABS	3Y400SA(H10)	CO2	ALL, V-down	DCEP	1.2~1.4mm
DW-110E	ABS	3YSA(H10)	CO2	ALL, V-down	DCEP	1.2~1.4mm
DW-110EV	ABS	3YSA(H10)	CO2	ALL	DCEP	1.2~1.4mm
DW-50	ABS	3YSA(H5)	CO2	ALL, V-down	DCEP	1.1~1.6mm
DW-50	ABS	3YSA(H5)	80%Ar&20%CO2	ALL, V-down	DCEP	1.1~1.6mm
DW-55E	ABS	4Y400SA(H5)	CO2	ALL, V-down	DCEP	1.2~1.4mm
DW-55E	ABS	4Y400SA(H5)	CO2	F, V-up, H	DCEP	1.6mm
DW-460L	ABS	5YQ460SA(H5)	CO2	ALL	DCEP	1.2-1.4mm
DW-55LSR	ABS	4Y400SA(H5);5YQ420SA(H5)	CO2	ALL, V-down	DCEP	1.2mm
DW-62L	ABS	5YQ500SA(H5)	CO2	ALL	DCEP	1.2mm
DW-A55L	ABS	3YSA(H5)	80%Ar&20%CO2	ALL	DCEP	1.0-1.6mm
DW-A55L, Manufacturer's Guaranteed Min Properties; CVN 34J@-60 deg C						
DW-A55LSR	ABS	5YQ420SA(H5)	80%Ar&20%CO2	ALL, V-down	DCEP	1.2mm

EXPIRY DATE: 22-November-2020


HAN ZHEN FU 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.