



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 098831-2872601-001

Report No.: UL2872601

Port of: ULSAN, KOREA

Date: 02 SEPTEMBER 2015

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF CHOSUN WELDING CO., LTD. (POHANG PLANT), ATTEND THEIR PLANT AT POHANG, KOREA, ON THE 03TH DAY OF APRIL, 2015 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 SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
CS-200	ABS	3	-	All	AC/DC	2.6~5.0mm
CS-200	ABS	3	-	Flat, H-F	AC/DC	6.0mm
CL-101	ABS	2	-	All	AC/DC	2.6~5.0mm
CR-13	ABS	2	-	All	AC/DC	2.6~5.0mm
CR-13	ABS	2	-	Flat, H-F	AC/DC	6.0mm
LC-300	ABS	3Y, H10	-	All	AC/DC(R)	2.6~5.0mm
LC-300	ABS	3Y, H10	-	Flat, H-F	AC/DC(R)	6.0mm
LC-318	ABS	3Y, H10	-	All	AC/DC(R)	3.2~5.0mm
LC-318	ABS	3Y, H10	-	Flat, H-F	AC/DC(R)	6.0mm
LC-300NS	ABS	5Y400, H10	-	All (Except V-down)	AC/DCEP	2.6~5.0mm
LC-318N	ABS	4Y, H10	-	All	AC/DCEP	2.6~5.0mm
LPA-118	ABS	4Y, H10	-	All	AC/DCEP	2.6~5.0mm
NC-308	AWS A5.4-06'	E308-16	-	All	AC/DC(R)	2.6~4.0mm
NC-308	AWS A5.4-06'	E308-16	-	Flat, H-F	AC/DC(R)	5.0mm
NC-308L	AWS A5.4-06'	E308L-16	-	All	AC/DC(R)	2.6~4.0mm
NC-308L	AWS A5.4-06'	E308L-16	-	Flat, H-F	AC/DC(R)	5.0mm
NC-309	AWS A5.4-06'	E309-16	-	All	AC/DC(R)	2.6~4.0mm
NC-309	AWS A5.4-06'	E309-16	-	Flat, H-F	AC/DC(R)	5.0mm
NC-309L	AWS A5.4-06'	E309L-16	-	All	AC/DC(R)	2.6~4.0mm
NC-309L	AWS A5.4-06'	E309L-16	-	Flat, H-F	AC/DC(R)	5.0mm
NC-309Mo	AWS A5.4-06'	E309Mo-16	-	All	AC/DC(R)	2.6~4.0mm
NC-309Mo	AWS A5.4-06'	E309Mo-16	-	Flat, H-F	AC/DC(R)	5.0mm
NC-316	AWS A5.4-06'	E316-16	-	All	AC/DC(R)	2.6~4.0mm
NC-316	AWS A5.4-06'	E316-16	-	Flat, H-F	AC/DC(R)	5.0mm

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.

NC-316L	AWS A5.4-06'	E316L-16	-	All	AC/DC(R)	2.6~4.0mm
NC-316L	AWS A5.4-06'	E316L-16	-	Flat, H-F	AC/DC(R)	5.0mm
NC-310	AWS A5.4-06'	E310-16	-	All	AC/DC(R)	2.6~4.0mm
NC-310	AWS A5.4-06'	E310-16	-	Flat, H-F	AC/DC(R)	5.0mm
NC-347	AWS A5.4-06'	E347-16	-	All	AC/DC(R)	2.6~4.0mm
NC-347	AWS A5.4-06'	E347-16	-	Flat, H-F	AC/DC(R)	5.0mm



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