



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 075277-6490725-001_____

Report No.: 6490725_____

Port of: KOBE, JAPAN_____

Date: 26 NOVEMBER 2024_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF KOBE STEEL, LTD., ATTEND THEIR PLANT AT IBARAKI & FUJISAWA, JAPAN, ON THE 5 TH DAY OF JULY, 2024 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>
BL-76	AWS A5.1-04	E7016	-	-	-	2.6 - 6.0 mm
LB-52JSTB	ABS	3Y400 H10	-	F, H, OH, V-Up, HF	AC/DCEP	3.2 - 5.0 mm
LB-52T	ABS	3Y, 3Y400 H10	-	F, H, OH, V-Down	AC	3.2 - 4.0 mm
LB-106	AWS A5.5-96	E10016-G	-	-	-	2.6 - 6.0 mm
LB-460L	ABS	5YQ460 H5**	-	F, H, HF	AC/DCEP	2.6 - 5.0 mm
LB-460L	ABS	5YQ460 H5**	-	V-Up, OH	AC/DCEP	2.6 - 4.0 mm
** Manufacturer's guaranteed min. properties: CVN 57 J at minus 20 Cen. Deg.						
LB-52NS	ABS	3Y, 4Y400 H10**	-	All	AC/DCEP	2.6 - 5.0 mm
LB-52NS	ABS	3Y, 4Y400 H10**	-	F	AC/DCEP	6.0 mm
** Manufacturer's guaranteed min. properties: CVN 34 J at minus 60 Cen. Deg.						
LB-55NS	ABS	5YQ420 H5	-	All, H-Fillet	AC/DCEP	2.6 - 5.0 mm
NB-A52V	ABS	3Y H10**	-	F, V-Down	AC/DCEP	3.2 - 5.5 mm
** Manufacturer's guaranteed min. properties: CVN 34 J at minus 60 Cen. Deg.						
NC-36L	AWS A5.4-92	E316L-16	-	-	-	2.6 - 5.0 mm

TO BE CONTINUED



Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of the 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, machinery and 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 the survey. It is not intended to be used as a basis for any other purpose. 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, operator or other entity of any warranty express or implied.

Certificate No. 848327-6490725-001

Report No. 6490725

Port of Kobe, Japan

Date: 26 NOVEMBER 2024

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/POLARITY	SIZE
NC-38	AWS A5.4-92	E308-16	-	-	-	1.6 - 5.0 mm
NC-38LT	AWS A5.4	E308L-16	-	F, H	AC/DCEP	2.6 - 5.0 mm
NC-38LT	AWS A5.4	E308L-16	-	V-Up, OH	AC/DCEP	2.6 - 4.0 mm
NC-39L	AWS A5.4	E309-16	-	F	AC/DCEP	2.6 - 5.0 mm
NC-39L	AWS A5.4	E309-16	-	V-Up, OH	AC/DCEP	2.6 - 4.0 mm
NC-39MoL	**	**	-	All	AC/DCEP	2.6 - 4.0 mm
NC-39MoL	**	**	-	F	AC/DCEP	5.0 mm

** Manufacturer's guaranteed min. properties: T.S.570 N/mm², EL.30%

Chemical analysis max C: 0.04, Ni: 12-14, Cr: 22-25, Mo: 2-3, P: 0.04, S: 0.03, Mn: 2.5, Si: 0.9



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