



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 848327-6286855-001_____

Report No.: 6286855_____

Port of: KOBE, JAPAN_____


Date: 24 JUNE 2024_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF KOBE STEEL, LTD., ATTEND THEIR PLANT AT FUKUCHIYAMA & FUJISAWA PLANT, JAPAN, ON THE 5TH DAY OF MARCH, 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 INITIAL 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 GAS METAL ARC WELDING INCLUDING MIG/TIG 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>
TG-S308	AWS A5.9	ER308**	Ar	All	DCEN	1.2 - 2.4 mm
**Mfr's Specification: T.S. Min. 550 N/mm ² , El. Min. 35 %, CVN Min. 27 J at Minus 20 Cen. Deg. Welding Technique: TIG Welding Process.						
TG-S308L	AWS A5.9	ER308L**	Ar	All	DCEN	1.2 - 3.2 mm
**Mfr's Specification: Y.S. Min. 205 N/mm ² , T.S. Min. 510 N/mm ² , El. Min. 35 %, CVN Min. 29 J at Minus 196 Cen. Deg. Welding Technique: TIG Welding Process.						
TG-S316L	AWS A5.9	ER316L	Ar	All	DCEN	1.2 - 3.2 mm
TG-S709S	AWS A5.14	ERNiMo-8	Ar	F, H, Vu, OH, HF	DCEN	1.2 - 2.4 mm
TG-S2594	AWS A5.9	ER2594**	Ar	Flat	DCEN	1.2 - 3.2 mm
**Manufacturer's Guaranteed: 0.2% Y.S. Min. 550 N/mm ² , T.S. Min. 800 N/mm ² , El. Min. 15 %, CVN Valve: Min. 40 Joule at Minus 20 Cen. Deg. Welding Technique: TIG Welding Process.						



 OKADA, SHIGETOSHI, 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 only 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.