



WELDING CONSUMABLE MARKETING CERTIFICATE

Certificate No.: 650920-5813368-001_____

Report No.: 5813368_____

Port of: Shanghai, P. R. China_____

Date: 08-Aug-2023_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF MARKETING COMPANY TIEN TAI ELECTRODE (KUNSHAN) CO., LTD., ATTEND THEIR FACILITY AT SUZHOU, P. R. CHINA, ON THE 25TH DAY OF APRIL 2023, AND SUBSEQUENT DATES, IN ORDER TO CARRY OUT A SURVEY OF FACILITIES AND ASSOCIATED HANDLING/ STORAGE CONTROL PROCEDURES IN ACCORDANCE WITH ABS PROCESS FOR APPROVAL OF FIRMS MARKETING WELDING CONSUMABLES AND,

THAT THE FACILITY OF THE ELECTRODE MANUFACTURER SUPPLYING THE MARKETING COMPANY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT BASED ON CERTIFICATION TESTS WITNESSED BY ABS CONFIRMED AT THIS TIME, AND THAT EACH WELDING CONSUMABLE LISTED BELOW IS CONSIDERED IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SUBMERGED ARC WELDING SECTION:

<u>BRAND NAME (OEM)</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
TW-308L / TFS-300NB	AWS A5.9M*	ER308L.**	--	F	DCEP	2.0~4.0mm

* Manufacturer's guaranteed minimum properties Y. S.: 320Mpa, T. S.: 520Mpa, El.: 35%, CVN: 34J @-196 deg. C;
Wire composition according to AWS A5.9-'17 ER308L.

**Intended for welding of stainless steel for corrosion resistance applications.


Yáng, 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.