



Marine & Offshore

Certificate number: 80360/A0 BV

File number: MAT 76379-2025

Product code: 8999H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

Tung Ho Steel Enterprise Corp. - Miaoli Works
Miaoli County - TAIWAN

for the type of product

SEMI-FINISHED PRODUCTS

Slabs made of steel grades A, AH32, and AH36

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 13 Mar 2030

For Bureau Veritas Marine & Offshore,

At BV TAIPEI, on 13 Mar 2025,

Algernon CHEN

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Continuous cast semi-finished products intended to rolled plates.

Steel grades	Deoxidation practice & refining	Semi-finished Product dimensions range	Delivery condition
A, AH32/36	Killed and grain fine treated with V	Beam blanks: up to 430mm x480mm x130mm - length up to 6.8m Blooms: up to 220mm x360mm- length up to 8.5m	As Cast

Steelmaking in DC-EAF and LF refining. Continuous Casting.

2. DOCUMENTS AND DRAWINGS :

2.1-Documents issued by Tung Ho Steel Enterprise Corp. - Miaoli Works:

- "General information for Tung Ho Steel Enterprise Corp. - Miaoli Works" Version No.01 dated 03/09/2009.

3. TEST REPORTS :

3.1 - Document issued by Tung Ho Steel Enterprise Corp. - Miaoli Works:

- "Approval test on manufacturing process of rolled steel for hull - product type Beam blank & Bloom" dated 18/05/2009.

3.2 - Document issued by Tung Ho Steel Enterprise Corp - Kaohsiung Works.

- "Report of the approval test high strength hull structural steel shapes - Grade: AH36&A" dated 9/09/2009.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The steel slabs are to be supplied by Tung Ho Steel Enterprise Corp. - Miaoli Works in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - Tung Ho Steel Enterprise Corp. - Miaoli Works has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, Tung Ho Steel Enterprise Corp. - Miaoli Works has declared to Bureau Veritas the following production site:

Tung Ho Steel Enterprise Corp. - Miaoli Works
 No. 22, Pingding, Erhu Village,
 Sihu Township
 Miaoli County
 TAIWAN

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

It is Tung Ho Steel Enterprise Corp. - Miaoli Works's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

*** END OF CERTIFICATE ***