



Marine & Offshore

Certificate number: 73731/A0 BV

File number: MAT 137488-2022

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

EASTERN STEEL SDN BHD
KEMAMAN - TERENGGANU - MALAYSIA

for the type of product

SEMI-FINISHED PRODUCTS

Continuous cast slabs intended to rolled plates made in steel grades A, B.

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: 27 Mar 2028

For Bureau Veritas Marine & Offshore,
At BV KUALA LUMPUR, on 27 Mar 2023,
Muhammad Norsî

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 slabs intended to rolled plates.

Steel grade	Deoxidation practice & refining	Slab thickness	Delivery condition
A, B	Killed and grain fine treated with Al	Up to 200mm	As Cast

Steelmaking by Basic Oxygen Furnace (BOF) and Ladle Furnace (LF). Continuous Casting.

2. DOCUMENTS AND DRAWINGS :

2.1-Documents issued by Eastern Steel Sdn Bhd:

- “Qualification test plan” submitted in November 2022.
- “Manufacturing process and company data” submitted in March 2023.

3. TEST REPORTS :

3.1-Document issued by Eastern Steel Sdn Bhd:

- “Qualification tests” dated 07/12/2022.

3.2-Document issued by Dongkuk steel mill Co., Ltd.:

- “Test report -Approval of manufacturing process and type approval” dated 03/02/2023.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The steel slabs are to be supplied by Eastern Steel Sdn Bhd 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 - Eastern Steel Sdn Bhd 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, Eastern Steel Sdn Bhd has declared to Bureau Veritas the following production site:

Eastern Steel Sdn Bhd
 Lot 6239 & 6294
 Kawasan Perindustrian Teluk Kalong
 Mukim Teluk Kalong
 24000 Kemaman - Terengganu (Malaysia)

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

Nil.

*** END OF CERTIFICATE ***