



Marine & Offshore

Certificate number: 74963/A1 BV

File number: MAT 141156-2023

Product code: 9005I

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

Al Ezz Dekheila Steel Company -Alexandria (EZDK)
ALEXANDRIA - EGYPT

for the type of product

NORMAL AND HIGHER STRENGTH ROLLED PRODUCTS

Hot rolled flat steel products.

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: 11 Sep 2028

For Bureau Veritas Marine & Offshore,

At BV ISTANBUL, on 03 Sep 2025,

Gurcan Yilmaz

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 :

Hot rolled flat steel products.

Grade	Thickness	Deoxidation practice and Refining	Delivery conditions
A-B-D	1.3 - 16mm	Killed and fine grain treated with Al	As Rolled (AR)
AH32-DH32 AH36-DH36	1.3 - 14.2mm	Killed and fine grain treated with Al	As Rolled (AR)

Steelmaking by Electric Arc Furnace (EAF) and Ladle Furnace (LF). Continuous Casting.

2. DOCUMENTS AND DRAWINGS :

2.1 - Documents issued by Al Ezz Dekheila Steel Company - Alexandria (EZDK):

- "Manufacturing procedure specification QM-04 rev.02" dated 01/12/2024.

- "WPS SAW/11_WPQR12" dated 20/07/2023.

3. TEST REPORTS :

3.1 - Documents issued by Al Ezz Dekheila Steel Company -Alexandria (EZDK):

- "ITT test results ref No C20230730_01" dated 30/07/2023.

- "ITT test results ref No C20250709_01" dated 18/02/2025.

3.2 - As per following document issued by QVV Muhendislik San Ve Tic Ltd Sti:

- "Sulphur test report" dated 23/08/2023.

4. APPLICATION / LIMITATION :

4.1 - As per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units.

4.2 - Chemical composition and tensile properties requirements are to be as per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units, and/or alternative specification mentioned on reviewed drawings, as applicable.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The hot rolled flat steel products are to be supplied by Al Ezz Dekheila Steel Company -Alexandria (EZDK) in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

5.4 - For information, Al Ezz Dekheila Steel Company -Alexandria (EZDK) has declared to Bureau Veritas the following production site:

Al Ezz Dekheila Steel Company -Alexandria (EZDK)

Al- Dekheila

Alexandria

EGYPT

6. MARKING OF PRODUCT :

6.1 - Each hot rolled product that has been tested with satisfactory results are to be marked with the following information:

- Manufacturer's name or trademark

- Bureau Veritas' brand

- Identification marking enabling traceability, such as cast number, heat number, or batch number

- Material grade and classification

- Additional markings where applicable, such as test pressure or specific inspection references

Additional marking requirements specific to hot rolled product shall be in accordance with the "Marking" article in the relevant section of Bureau Veritas NR216 Rules on Materials and Welding for the Classification of Marine Units.

7. OTHERS :

7.1 - It is Al Ezz Dekheila Steel Company -Alexandria (EZDK)'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.

7.2 - This certificate supersedes the Type Approval Certificate N° 74963/A0 BV issued by the Society.

*** END OF CERTIFICATE ***