



Marine & Offshore

Certificate number: 22601/B1 BV

File number: MAT 49981-2010

Product code: 8153I

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

Alchemia S.A. - oddzial Kuznia Batory w Chorzowie
CHORZOW - POLAND

for the type of product

STEEL FORGINGS

Carbon, carbon-manganese and alloy steel forgings with maximum weight up to 11 Tons.

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: 19 May 2021

For Bureau Veritas Marine & Offshore,

At BV KATOWICE, on 22 Mar 2019,

Wojciech Lubojanski



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 :

Forgings in carbon, carbon-manganese and alloy steels with maximum weight 11 tons.
Typical products are round bars, square bars, flat bars and blocks.

No steelmaking. Raw material are delivered by Alchemia S.A.- Stalownia Batory.
Forgings are made from ingot by open die forging. Heat treatment, as applicable.

2. DOCUMENTS AND DRAWINGS :

- "Kuznia Batory Presentations" Edition April 2016 issued by KUZNIA BATORY Chorzow.
- Letter Ref: Transfer of the authority regarding the certificate, dated 27 February 2019.

3. TEST REPORTS :

3.1 Test Reports issued by LABORATORIA BADAN "BATORY" for grades 42CrMo4, S355J2, and, C45R dated 08 July 2010.

3.2 Typical tested grades are:

- C45R according to EN 10083-2 for carbon steel;
- S355J2 according to EN10025 for carbon - manganese steel;
- 42CrMo4 according to EN 10083-1 for alloy steel.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules on Materials and Welding.

Chemical composition, tensile properties and Charpy-V notch test requirements are to be as per Bureau Veritas Materials Rules NR216 and/or alternative specification mentioned on reviewed documents and drawings, as applicable.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The steel forgings are to be supplied by Alchemia S.A. - oddzial Kuznia Batory w Chorzowie 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.

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules on Materials and Welding.

7. OTHERS :

This certificate replaces approvals No. 22601/A0 BV and No. 22601/B0 BV.

*** END OF CERTIFICATE ***