



MARINE DIVISION

Certificate number: 21180/B0 BV

File number: MAT 61796-2009

Product code: 9006I

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

Shanxi Taigang Stainless Steel Co. Ltd.

Taiyuan - CHINA

for the type of product

NORMAL STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled coils and plates from coils in steel grades A, B and D.

Requirements:

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

This certificate is issued to attest that BUREAU VERITAS 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: 07 Feb 2019

For BUREAU VERITAS,

At BV SHANGHAI, on 07 Feb 2014,

Jennifer Zhang



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. 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 Division 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 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 plates and coils

Steel grade	Deoxydation practice & Refining	Delivery conditions
A	Killed and fine grain treated with Al	Controlled Rolled (CR) range from 5mm up to 24mm
B	Killed and fine grain treated with Al	Controlled Rolled (CR) range from 5mm up to 24mm
D	Killed and fine grain treated with Al	Controlled Rolled (CR) range from 5mm up to 24mm

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

2. DOCUMENTS AND DRAWINGS :

- "Works approval document for BV of steel grades A, B, D, AH32, AH36, DH32 and DH36" issued by Shanxi Taigang Stainless Co., Ltd and dated October 2008.

3. TEST REPORTS :

- "Works approval document for BV of steel grades A, B, D, AH32, AH36, DH32 and DH36" issued by Shanxi Taigang Stainless Co., Ltd and dated October 2008.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification

5. PRODUCTION SURVEY REQUIREMENTS :

The steel plates and coils are to be supplied by Shanxi Taigang Stainless Co., Ltd. in compliance with the type and the requirements described in this certificate.

This type of product is within the category IBV of Bureau Veritas Rule Note NR320.
BV product certificate is required.

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification

7. OTHERS :

This certificate replaces approval number 21180/A0 BV.

*** END OF CERTIFICATE ***