



MARINE DIVISION

Certificate number: 20929/B0 BV

File number: MAT 2838 - 2009

Product code: 90071

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

ARCELORMITTAL BRASIL (AM TUBARAO)

Serra - ES - BRAZIL

for the type of product

HIGHER STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled coils in steel grades AH32

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 is a renewal of certificate N° 20929/A0 BV, which expires on 26/03/2014

This certificate will expire on: 01 Apr 2019

For BUREAU VERITAS,

At BV RIO DE JANEIRO, on 01 Apr 2014,

Francisco Assis



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 coils.

Steel grade	Deoxydation practice & Refining	Casting type*	Type of product	Delivery conditions
AH32	Al - Si Killed or Al Killed	CC	Coils	As Rolled (AR) up to 16mm

* CC means Continuous Casting.

Steelmaking by BOF converters

2. DOCUMENTS AND DRAWINGS :

- "CST TEST REPORT - Hot Coils Approval for Plates - Higher Strength Hull Structural Steel (Grades AH-32)" issued by ArcelorMittal Tubarao and dated May 2008.

3. TEST REPORTS :

- "CST TEST REPORT - Hot Coils Approval for Plates - Higher Strength Hull Structural Steel (Grades AH-32)" issued by ArcelorMittal Tubarao and dated May 2008.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

5. PRODUCTION SURVEY REQUIREMENTS :

The steel coils are to be supplied by ArcelorMittal Brasil (AM Tubarao) 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 :

Nil.

*** END OF CERTIFICATE ***