



Marine & Offshore

Certificate number: 29627/C0 BV

File number: MAT 89044-2012

Product code: 8154I

*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*

**AMEX ALLOYS PRIVATE LIMITED**

Coimbatore - INDIA

*for the type of product*

**STEEL CASTINGS**

Carbon steel, low alloy steel, austenitic and duplex stainless steels castings with maximum weight up to 1000Kg.

### 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 is a renewal of certificate N° 29627/B0 BV expiring on 20/06/2022*

**This certificate will expire on: 20 Jun 2027**

**For Bureau Veritas Marine & Offshore,**

At BV MUMBAI (BOMBAY), on 25 Apr 2022,

Nitin NALAWADE

***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 :**

Carbon steel, low alloy steel, austenitic and duplex stainless steel castings with maximum weight up to 1000 Kg for gate valve body bonnet, globe valve body bonnet, check valve body cover, ball valve body adapter, knife edge valve body and components, butterfly valve body and disc, safety valve body, cover and bonnet, control valve body, bonnet and cover, and other special valves.

Melting scraps by induction furnace.  
Heat treatment as applicable.

### **2. DOCUMENTS AND DRAWINGS :**

2.1 - Documents issued by Amex Alloys Private Limited:

- "Amex Alloys Private Limited Specific Information" submitted 06 June 2012.
- "Quality system manual" dated 02 June 2011.
- "Work Instruction " dated 10 March 2011.
- "NDT qualified personnel List" dated 10 February 2022.
- NDT procedures ref. TM-01-R8 for RT dated 30 January 2019, ref. TM-02-R4 for UT dated 24 November 2021, ref. TM-03-R7 for MT dated 14 February 2020, ref. TM-04-R7 for MT dated 14 February 2020, ref. TM-33-R5 for VT dated 24 November 2021.
- "General information about company and manufacturing data Rev.No.R0" dated 17 May 2017.

### **3. TEST REPORTS :**

3.1 - Typical grades tested are:

- WCB according to ASTM A216/A216M for carbon steel castings.
- WC6 according to ASTM A217/A217M for low alloy steel castings.
- CF8M according to ASTM A351/A351M for austenitic stainless steel castings.

3.2- documentation issued by Amex Alloys Private Limited:

- Non destructive test reports submitted 09 July 2012.
- Tests reports dated 29 May 2012.
- "Witness pouring report" dated 12 January 2012.
- "Casting dimension report" dated 29 March 2012.
- "Data sheet- Heat treatment" dated 18 April 2011.

### **4. APPLICATION / LIMITATION :**

As per Bureau Veritas Rules for Classification.

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

### **5. PRODUCTION SURVEY REQUIREMENTS :**

- 5.1-The steel castings are to be supplied by Amex Alloys Private Limited 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 for Classification.

### **7. OTHERS :**

This certificate replaces approvals No. 29627/A0 BV and No.29627/B0 BV.

**\*\*\* END OF CERTIFICATE \*\*\***