



Marine & Offshore

Certificate number: 49622/B0 BV

File number: MAT 60145-2017

Product code: 9013I

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

VIRAJ PROFILES PRIVATE LIMITED
PALGHAR - INDIA

for the type of product

STAINLESS STEEL ROLLED PRODUCTS

Rolled profiles (Bars, Angles, Flats, Channels), and, Round square corners made in stainless steels.

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: 08 Mar 2028

For Bureau Veritas Marine & Offshore,

At BV MUMBAI (BOMBAY), on 08 Mar 2023,

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 :

Rolled semi-finished products in austenitic stainless steels.

Steel grade	Product type	Dimensions range
304/304L 316/316L 321	Round Corner Square (RCS)	From 50*50mm to 120*120mm

Steelmaking, continuous casting of billets made at Viraj Profiles Private Limited - Steel melting division. Semi-finished products are delivered in As Rolled condition.

Rolled sections in austenitic stainless steels.

Steel grade	Product type	Dimension range
304/304L	Bar	Up to 200mm
	Flat	Up to 150*15mm
	Channel	Up to 160*65*7.5-10.5mm
	Angle	Up to 150*100*10mm
316/316L	Bar	Up to 200mm
	Flat	Up to 76.2*50.8mm
	Channel	Up to 150*75*6-6mm
321	Bar	Up to 200mm
	Flat	Up to 70*40mm

Steelmaking, continuous casting of billets made at Viraj Profiles Private Limited - Steel melting division. Heat treatment operations including solution annealed at 1050°C, with spray water quenching as cooling method.

2. DOCUMENTS AND DRAWINGS :

2.1 - Documents issued by Viraj Profiles Private Limited:

- Procedure manual No. GR01 Rev.01 dated 09/06/2015 ; Quality assurance plan Ref.VSRMQADQAP0 dated 04/01/2015.
- Section rolling mill equipment information Doc. SRM/EQI/001 Rev.0 dated 10/08/2017 and attachments (heating parameters and solution annealing parameters).

3. TEST REPORTS :

3.1 - Inspection documents issued by Viraj Profiles Private Limited:

- Certificates issued for RCS: Heat No.104397 dated 21/01/2017; Heat No.43873 dated 13/01/2017; Heat No.40235 dated 25/01/2016; Heat No.101334 dated 17/02/2016; Heat No.101533 dated 16/03/2016; Heat No.101383 dated 25/02/2016; Heat No. 101341 dated 18/02/2016; Heat No.40701 dated 14/03/2016; Heat No.101267 dated 10/02/2016; Heat 101343 dated 18/02/2016.
- Certificates issued for rolled bars: Heat No.32650 and Heat No.32394 dated 18/06/2014.
- Certificates issued for rolled flats: Heat No.104952 dated 19/04/2017, Heat No.104908 dated 12/04/2017; Heat No.94488, Heat No.94478 dated 28/02/2014; Heat No.94801, Heat No.94533 dated 28/02/2014.
- Certificates issued for rolled channels: Heat No.104860, No.104862, No.104902 dated 30/03/2017; Heat No.94478 dated 28/02/2014.
- Certificates issued for rolled angles: Heat No.104878 dated 21/04/2017, Heat No.104590 dated 30/03/2017.

4. APPLICATION / LIMITATION :

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

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The rolled profiles are to be supplied by Viraj Profiles 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.14504/B0 BV and No.49622/A0 BV.

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