Certificate number: 82843/A0 BV
File number: MAT 127133-2026
Product code: 2011I

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

Zhejiang Xintongda Special Steel Manufacturing Co., Ltd.

Lishui - CHINA

for the type of product

SEAMLESS PIPES AND FITTINGS

Seamless pipes in Stainless steels:
TP304L; TP316L; TP310S; S31254; S31803/S32205; S32750

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: 12 Apr 2031

For Bureau Veritas Marine & Offshore,
At BV SHANGHAI, on 12 Apr 2026,
Jennifer Zhang

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 :

Seamless pipes in Stainless steels.

Steel Grade	Dimensions	Delivery Condition
Austenitic stainless steel Typical tested grades: 304/304L - 316/316L - 310S - S31254 according to ASTM A312/A312M	Maximum outside diameter up to 323.9mm Maximum wall thickness up to 12.7mm	Solution treated
Austenitic-ferritic (Duplex) stainless steel Typical tested grades: UNS31803 / S32205- S32750 according to ASTM A790/A790M	Maximum outside diameter up to 323.9mm Maximum wall thickness up to 12.7mm	Solution treated

No steelmaking. Pipes made by piercing of round billets followed by cold drawing/cold rolling processes.

2. DOCUMENTS AND DRAWINGS :

2.1 - Documents issued by Zhejiang Xintongda Special Steel Manufacturing Co., Ltd.:
- "Application document for austenitic and ferritic-austenitic stainless steel pipes" ref. XTD-BV-2025 Rev A1 dated October 2025.
- "Heat treatment procedure" ref.XTD-HTP-2025-A0 dated 01/03/2025.
- "Control documentation ref. XTD-NDE-2025" including ET procedure ref.XTD-NDE/ET-2025,UT procedure ref. XTD-NDE/UT-2025, Hydrostatic test procedure ref. XTD-NDE/HT-2025 dated 01/03/2025.
- "Test Report for Temperature Uniformity Surverys of Furnaces" ref.XTD/HT-1 dated 10/04/2025

3. TEST REPORTS :

3.1 - Documents issued by Zhejiang Xintongda Special Steel Manufacturing Co., Ltd.:
- Test Program ref. TP-BV-2025 Rev A dated October 2025.
- Test report ref. XTD-BV-R001-A0 dated 10/12/2025.

4. APPLICATION / LIMITATION :

4.1 - As per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units.
4.2 - Chemical composition and mechanical properties requirements are to be as per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units, and/or alternative specification mentioned on reviewed drawings, as applicable.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The seamless steel pipes are to be supplied by Zhejiang Xintongda Special Steel Manufacturing Co., Ltd. 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.
5.4 - Raw materials used to manufacture seamless pipes are to be supplied with works certificates (W).
5.5 - For information, Zhejiang Xintongda Special Steel Manufacturing Co., Ltd. has declared to Bureau Veritas the following production site:

Zhejiang Xintongda Special Steel Manufacturing Co., Ltd.
No.209 Ruiyang Road,
Xiping Street,Songyang County,
Lishui City,Zhejiang Province
323400 Lishui
CHINA

6. MARKING OF PRODUCT :

6.1 - Each seamless steel pipe that has been tested with satisfactory results are to be marked with the following information:

- Manufacturer’s name or trademark
- Bureau Veritas’ Mark
- Identification marking enabling traceability, such as cast number, heat number, or batch number
- Material grade and classification
- Additional markings where applicable, such as test pressure or specific inspection references

Additional marking requirements specific to seamless steel pipes shall be in accordance with the “Marking” article in the relevant section of Bureau Veritas NR216 Rules on Materials and Welding for the Classification of Marine Units

7. OTHERS :

7.1 - It is Zhejiang Xintongda Special Steel Manufacturing Co., Ltd.'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

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