



Marine & Offshore

Certificate number: 74199/A0 BV

File number: MAT 100100-2023

Product code: 2012I

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

A.D. TUBI INOSSIDABILI SPA
CASNATE CON BERNATE (CO) - ITALY

for the type of product

LONGITUDINALLY WELDED STAINLESS STEEL PIPES

Longitudinally Welded Stainless Steel Pipes

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 Mar 2029

For Bureau Veritas Marine & Offshore,

At BV NAPOLI, on 12 Mar 2024,

Sandro BRUSEGAN

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 :

Longitudinally Welded Stainless Steel Pipes.

Steel Grade	Outside diameter (mm)	Thickness (mm)	Delivery condition
Austenitic Stainless Steel Typical grade tested: 316L	Up to 60.3	Up to 3.91	Solution annealed
Ferritic-Austenitic Stainless Steel Typical grade tested: S32205	Up to 60.3	Up to 3.60	Solution annealed

Welding Processes involved for this range of products are Gas Tungsten Arc Welding (GTAW) and Laser Beam Welding (LBW).

2. DOCUMENTS AND DRAWINGS :

2.1-Documents issued by A.D. TUBI INOSSIDABILI SPA:

- "Technical information for initial approval" dated February 2024, including production flowchart PCF02 dated 14/12/2021, hydrostatic test procedure TP07.0 dated 05/07/2022 and heat treatment procedures HT02.0 dated 22/11/2022 and HT03.0 dated 22/11/2023.

- "NDT documentation" dated February 2024, including Eddy current procedure TP01.0 dated 04/07/2022.

3. TEST REPORTS :

3.1-Documents issued by A.D. TUBI INOSSIDABILI SPA:

- Test report for 316L and S32205 grades ref. No. BV1-2024 dated 12/02/2024.

4. APPLICATION / LIMITATION :

As per applicable Bureau Veritas Rules for Classification.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The stainless steel pipes are to be supplied by A.D. TUBI INOSSIDABILI SPA 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 - For information, A.D. TUBI INOSSIDABILI SPA has declared to Bureau Veritas the following production site:

A.D. TUBI INOSSIDABILI SPA
VIA ADIGE,2
22070 CASNATE CON BERNATE (CO)
ITALY

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

It is A.D. TUBI INOSSIDABILI SPA'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 ***