



Marine & Offshore

Certificate number: 45463/A0 BV

File number: MAT 62671-2017

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

Outokumpu Stainless Oy
Tornio - FINLAND

for the type of product

STAINLESS STEEL ROLLED PRODUCTS

Cold/hot rolled coils made in austenitic stainless steel grades 304/304L, 316/316L, 321

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: 15 Jan 2023

For Bureau Veritas Marine & Offshore,

At BV HELSINKI, on 15 Jan 2018,

Tommy Andersson



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 :

Cold/hot rolled sheets in coils.

Steel grade	Range of thickness	Delivery condition
304/304L 316/316L 321	up to 6mm for cold rolled coils up to 8mm for hot rolled coils	Solution heat treated

Steelmaking by Electric Arc Furnace (EAF) and AOD Converter. Continuous Casting.

2. DOCUMENTS AND DRAWINGS :

As per documents issued by Outokumpu Stainless Oy:

- "BV back ground information" dated 09/01/2018,
- "BV application information" dated 18/02/2017.

3. TEST REPORTS :

As per documents issued by Outokumpu Stainless Oy:

- "BV quality control results 304L, 316L, 321, version 1" dated 20/07/2016,
- "Scratch research related to Inspectra document No.77799615221" dated 17/11/2017,
- Test reports issued for coils cast ref.601415, ref.601411, ref.700221, ref.700222, ref.705161, ref.708021 and dated 09/01/2018.

Reports No.77799615221 dated 13/08/2017 issued by Inspectra.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

5. PRODUCTION SURVEY REQUIREMENTS :

The cold and hot rolled coils are to be supplied by Outokumpu Stainless Oy 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 ***