



Marine & Offshore

Certificate number: 45463/B0 BV

File number: MAT 62671-2017

Product code: 90131

*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 is a renewal of certificate N° 45463/A0 BV expiring on 15/01/2023*

**This certificate will expire on: 15 Jan 2028**

**For Bureau Veritas Marine & Offshore,**

At BV TURKU (ABO), on 18 Sep 2022,

Miika KOKKO

***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](http://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.

| <b>Steel grade</b>          | <b>Range of thickness</b>   | <b>Delivery condition</b> |
|-----------------------------|---|---------------------------|
| 304/304L<br>316/316L<br>321 | up to 6mm for cold rolled coils<br>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.
- "Dimension control procedure" dated 28/01/2015.
- "Statistic data 2022" dated September 2022.

### **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 :**

5.1-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.

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 approval No. 45463/A0 BV.

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