



Approval No. ST164RO

Certificate No. TA23221E

APPROVAL OF MANUFACTURING PROCESS

This is to certify that

POSCO (Zhangjiagang) Stainless Steel Co., Ltd.

Daxin Riverside Road, Zhangjiagang City, Jiangsu Province, China

has been approved for the manufacturing process of undermentioned materials by the NIPPON KAIJI KYOKAI in accordance with the requirements of 1.2, Part K of the Society's "Rules for the Survey and Construction of Steel Ships" and Chapter 1, Part 1 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

MATERIALS : Rolled Stainless Steels

The details of the relevant approval conditions are given in the PARTICULARS OF APPROVAL listed in the reverse of this certificate.

The products for the ships classed with the Society are to be manufactured, tested and inspected in compliance with the Rules.

This certificate is valid from 15 January 2023 until 14 January 2028.

Issued at Tokyo on 15 February 2023.


Y. Takao
General Manager
Material and Equipment Department



No. : TA1851E

Date : 15 January 2018

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Stainless Steels

- | | |
|-------------------------|--|
| 1. Manufacturer | : Zhangjiagang Pohang Stainless Steel Co., Ltd. |
| 2. Kind of Product | : Plates |
| 3. Grade | : KSUS304, KSUS316L and KSUS321 |
| 4. Max. Thickness | : 80mm |
| 5. Condition of Supply | : Solid Solution Treatment |
| 6. Steel Making Process | : Electric Arc Furnace |
| 7. Casting Process | : Continuous Casting |
| 8. Remarks | : In the case where the thickness of the product is more than 16mm, heat treatment process is to be conducted by "Kunshn Dageng Stainless Steel Co., Ltd." under the supervision of "Zhangjiagang Pohang Stainless Steel Co., Ltd.". |



H. Kobayashi
General Manager
Material and Equipment Department



No. : TA1852E

Date : 15 January 2018

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Stainless Steels

1. Manufacturer : Zhangjiagang Pohang Stainless Steel Co., Ltd.
2. Kind of Product : Steel Coils
3. Grade : KSUS304, KSUS316L, KSUS321 and KSUS329J3L
4. Max. Thickness : See Table.
5. Condition of Supply : Solid Solution Treatment
6. Steel Making Process : Electric Arc Furnace
7. Casting Process : Continuous Casting
8. Remarks : The test certificates are to include the description that the steel coils are to be uncoiled and cut by a manufacturer approved by NIPPON KAIJI KYOKAI in terms of the uncoiling and cutting processes in accordance with 3.1.1, Chapter 3, Part K of the NK Rules and K3.1.1., K3, Part K of the NK Survey Guidance.

(to be cont.)



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No. : TA1852E

Date : 15 January 2018

Table Part of Approval Conditions

Grade	Max. Thickness (mm)
KSUS304, KSUS316L and KSUS321	15.5
KSUS329J3L	9.8

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H. Kobayashi
General Manager
Material and Equipment Department



No. : TA1853E

Date : 15 January 2018

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Stainless Steels

1. Manufacturer : Zhangjiagang Pohang Stainless Steel Co., Ltd.
2. Kind of Product : Plates from Steel Coils
3. Grade : KSUS304, KSUS316L, KSUS321 and KSUS329J3L
4. Condition of Supply : Solid Solution Treatment
5. Heat Treatment Process conducted by the above manufacturer:
Not Applicable
6. Max. Thickness : See Table.
7. Manufacturing Process : Uncoiling of Steel Coils followed by Cutting
8. Remarks:

Test certificates of the steel plates are to comply with the following requirements in accordance with 3.1.1, Chapter 3, Part K of the NK Rules and K3.1.1, K3, Part K of the NK Survey Guidance:

- Test certificates of the steel plates are to include the description that the steel plates were uncoiled and cut from the steel coils supplied by a manufacturer approved by NIPPON KAIJI KYOKAI.
- Test certificates of the steel coils are to be attached to the test certificates of the steel plates uncoiled and cut from the steel coils.

(to be cont.)



No. : TA1853E

Date : 15 January 2018

Table Part of Approval Conditions

Grade	Max. Thickness (mm)
KSUS304, KSUS316L and KSUS321	15.5
KSUS329J3L	9.8

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H. Kobayashi
General Manager
Material and Equipment Department

