



/Certificate No.  
FZ24PWA00009

# CHINA CLASSIFICATION SOCIETY

## CERTIFICATE OF WORKS APPROVAL

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

### /Manufacturer

**Fujian Tsingtuo Nickel Industry Co.,Ltd.**

### /Address

Fuxi Village,Wanwu town,Fu'an,Fujian,P.R.China

### /Product

**Ingot Billet**

### /Notations

/N I .

### /Approval Standard

- |    |      |   |   |   |
|----|------|---|---|---|
| 1. | 2023 | 1 | 3 | 4 |
|----|------|---|---|---|
- Chapter 3,4,Part One of China Classification Society Rules for Materials and Welding 2023 and its Amendments.

### /Intended for

/Shi ps



**This Certificate is valid until** 2029 05 04 / **May. 04,2029**

Issued by CCS Fuzhou Branch Date 2024 04 25  
Apr. 25,2024

This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



Form No: W01.

/Contact Us

/See official web site of the Society <http://www.ccs.org.cn>

UTN:P024-48361125

**/Product Description**

/Billet(M0001)

| /Name                       | /Value                                                           | /Unit |
|-----------------------------|------------------------------------------------------------------|-------|
| /Product Name               | -   Austenitic/Ferritic Duplex<br>Stainless Steel Plates Slab    |       |
| /Steel Grade                | 022Cr23Ni5Mo3N                                                   |       |
| /Specification              | 800-1600 × 180-220   Width: (800-1600) ×<br>thickness: (180-220) | mm    |
| /Melting Process            | EAF+ACD+LF                                                       |       |
| /Casting Process            | Continuous Casting                                               |       |
| /Deoxidation Method         | Killed and fine grain treated                                    |       |
| /Grain Refining<br>Elements | Al, B                                                            |       |

/Billet(M0002)

| /Name                       | /Value                                                              | /Unit |
|-----------------------------|---------------------------------------------------------------------|-------|
| /Product Name               | Austenitic Stainless Steel Square Slab                              |       |
| /Steel Grade                | 06Cr19Ni10 022Cr19Ni10 06Cr17Ni12Mo2 022Cr17Ni12Mo2<br>06Cr18Ni11Ti |       |
| /Specification              | (130-210) × (130-210   Width(130-<br>210) × Thickness: (130-210)    | mm    |
| /Melting Process            | EAF+ACD+LF                                                          |       |
| /Casting Process            | Continuous Casting                                                  |       |
| /Deoxidation Method         | Killed and fine grain treated                                       |       |
| /Grain Refining<br>Elements | Al, B                                                               |       |

/Billet(M0003)

| /Name                       | /Value                                                              | /Unit |
|-----------------------------|---------------------------------------------------------------------|-------|
| /Product Name               | Austenitic Stainless Steel Pipe Slab                                |       |
| /Steel Grade                | 06Cr19Ni10 022Cr19Ni10 06Cr17Ni12Mo2 022Cr17Ni12Mo2<br>06Cr18Ni11Ti |       |
| /Specification              | 65-130                                                              | mm    |
| /Melting Process            | EAF+ACD+LF                                                          |       |
| /Casting Process            | Continuous Casting                                                  |       |
| /Deoxidation Method         | Killed and fine grain treated                                       |       |
| /Grain Refining<br>Elements | Al, B                                                               |       |

/Billet(M0004)

| /Name                       | /Value                                                      | /Unit |
|-----------------------------|-------------------------------------------------------------|-------|
| /Product Name               | -   Austenitic/Ferritic Duplex<br>Stainless Steel Pipe Slab |       |
| /Steel Grade                | 022Cr23Ni5Mo3N 022Cr25Ni7Mo4N                               |       |
| /Specification              | 65-130                                                      | mm    |
| /Melting Process            | EAF+ACD+LF                                                  |       |
| /Casting Process            | Continuous Casting                                          |       |
| /Deoxidation Method         | Killed and fine grain treated                               |       |
| /Grain Refining<br>Elements | Al, B                                                       |       |

/Billet(M0005)

| /Name         | /Value                                 | /Unit |
|---------------|----------------------------------------|-------|
| /Product Name | Austenitic Stainless Steel Plates Slab |       |

|                          |                                                                  |    |
|--------------------------|------------------------------------------------------------------|----|
| /Steel Grade             | 06Cr19Ni10 022Cr17Ni12Mo2 022Cr19Ni10                            |    |
| /Specification           | 800-1600 × 180-220   Width: (800-1600) ×<br>thickness: (180-220) | mm |
| /Melting Process         | EAF+ACD+LF                                                       |    |
| /Casting Process         | Continuous Casting                                               |    |
| /Deoxidation Method      | Killed and fine grain treated                                    |    |
| /Grain Refining Elements | Al, B                                                            |    |

## /Billet(M006)

| /Name                    | /Value                                                                 | /Unit |
|--------------------------|------------------------------------------------------------------------|-------|
| /Product Name            | Austenitic/Ferritic Duplex<br>Stainless Steel Square Slab              |       |
| /Steel Grade             | 022Cr23Ni5Mo3N 022Cr25Ni7Mo4N                                          |       |
| /Specification           | : (130-210) × : (130-210)   Width: (130-210) ×<br>Thickness: (130-210) | mm    |
| /Melting Process         | EAF+ACD+LF                                                             |       |
| /Casting Process         | Continuous Casting                                                     |       |
| /Deoxidation Method      | Killed and fine grain treated                                          |       |
| /Grain Refining Elements | Al, B                                                                  |       |

## /Approved Drawings

/Drawings Approval No. : /N I.

## /Approval Test Report

/ Test Report No. DNFC-TR-16012601  
/ Test Report Date 2016-01-26

/ Test Report No. STL-FJNY-160126  
/ Test Report Date 2016-01-27

/ Test Report No. QNFC-TR-16110802/QNFC-TR-16110803  
/ Test Report Date 2016-11-08

/ Test Report No. 2017052003  
/ Test Report Date 2017-08-16

/ Test Report No. DNFC-TR-19030701/DNFC-TR-19030702/DNFC-TR-19030703  
/ Test Report Date 2019-03-07

/ Test Report No. DNFC-TR-2020051601  
/ Test Report Date 2020-05-16

/ Test Report No. DNFC-TR-2307101  
/ Test Report Date 2023-07-10

/ Test Report No. DNFC-TR-2307102  
/ Test Report Date 2023-07-10

## /Method of Product Inspection after Approval

/The product approved only in term of the rules

After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of

**/Method of Product Inspection after Approval**

the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

**/Maintenance Requirements of Approval**

1.

After works approval, if there are any major changes to the drawings, technical documents, specifications, prior consent should be obtained from the survey office of the Society. If the changes involve or affect product design, major construction materials, key workmanship or product characteristics and properties, drawings and technical documents related to properties are to be examined and approved by the Society and, where deemed necessary by the survey office, the surveyor to the Society will go to the manufacturer to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions

2.

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3.

Those who have obtained the certificate of works approval shall receive periodical audit done by the Society on an annual basis. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

4.

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5.

Within the validity of the approval certificate, if cases occur that may cause the Society to suspend or withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

**/Remarks**

1.

No. FZ23PWA00004

This certificate is renewed from and supersedes the previous Works Approval Certificate No. FZ23PWA00004.

2.

The Products are intended for Stainless steel coil, Stainless steel plate and Seamless Stainless Steel Pipe.

CCS Fuzhou Branch