



中国船级社  
CHINA CLASSIFICATION SOCIETY  
工厂认可证书  
CERTIFICATE OF WORKS APPROVAL

FZ24PWA00025

兹证明  
This is to certify

制造厂/Manufacturer

福建青拓镍业有限公司  
Fujian Tsingtuo Nickel Industry Co.,Ltd.

地址/Address

产品名称/Product

锭、坯  
Ingot Billet

附加标志/Notations

/Nil.

认可标准/Approval Standard

1. 1 3 4

用于/Intended for

/Ships

证书有效期至/This Certificate is valid until 2029年05月04日/ May. 04,2029



2025 09 01

W01.

UTN:

产品明细/Product Description

|                     |                                                                 |         |
|---------------------|-----------------------------------------------------------------|---------|
| 坯/Billet(M0001)     |                                                                 |         |
| 名称/Name             | 属性 (值) /Value                                                   | 单位/Unit |
| /Product Name       | -  Austenitic/Ferritic Duplex<br>Stainless Steel Plates Slab    | mm      |
| /Steel Grade        | 022Cr23Ni5Mo3N                                                  |         |
| /Specification      | 800-1600 × 180-220  Width: (800-1600) ×<br>thickness: (180-220) |         |
| /Melting Process    | EAF+AOD+LF                                                      |         |
| /Casting Process    | Continuous Casting                                              |         |
| /Deoxidation Method | Killed and fine grain treated                                   |         |
| /Grain Refining     |                                                                 |         |
| Elements            | Al,B                                                            |         |

|                     |                                                                     |         |
|---------------------|---------------------------------------------------------------------|---------|
| 坯/Billet(M0002)     |                                                                     |         |
| 名称/Name             | 属性 (值) /Value                                                       | 单位/Unit |
| /Product Name       | Austenitic Stainless Steel Square Slab                              | mm      |
| /Steel Grade        | 06Cr19Ni10 022Cr19Ni10 06Cr17Ni12Mo2 022Cr17Ni12Mo2<br>06Cr18Ni11Ti |         |
| /Specification      | (130-210) × (130-210  Width(130-<br>210) × Thickness: (130-210)     |         |
| /Melting Process    | EAF+AOD+LF                                                          |         |
| /Casting Process    | Continuous Casting                                                  |         |
| /Deoxidation Method | Killed and fine grain treated                                       |         |
| /Grain Refining     |                                                                     |         |
| Elements            | Al,B                                                                |         |

|                     |                                                                     |         |
|---------------------|---------------------------------------------------------------------|---------|
| 坯/Billet(M0003)     |                                                                     |         |
| 名称/Name             | 属性 (值) /Value                                                       | 单位/Unit |
| /Product Name       | Austenitic Stainless Steel Pipe Slab                                | mm      |
| /Steel Grade        | 06Cr19Ni10 022Cr19Ni10 06Cr17Ni12Mo2 022Cr17Ni12Mo2<br>06Cr18Ni11Ti |         |
| /Specification      | Φ65-240                                                             |         |
| /Melting Process    | EAF+AOD+LF                                                          |         |
| /Casting Process    | Continuous Casting                                                  |         |
| /Deoxidation Method | Killed and fine grain treated                                       |         |
| /Grain Refining     |                                                                     |         |
| Elements            | Al,B                                                                |         |

|                     |                                                            |         |
|---------------------|------------------------------------------------------------|---------|
| 坯/Billet(M0004)     |                                                            |         |
| 名称/Name             | 属性 (值) /Value                                              | 单位/Unit |
| /Product Name       | -  Austenitic/Ferritic Duplex<br>Stainless Steel Pipe Slab | mm      |
| /Steel Grade        | 022Cr23Ni5Mo3N 022Cr25Ni7Mo4N                              |         |
| /Specification      | Φ65-240                                                    |         |
| /Melting Process    | EAF+AOD+LF                                                 |         |
| /Casting Process    | Continuous Casting                                         |         |
| /Deoxidation Method | Killed and fine grain treated                              |         |
| /Grain Refining     |                                                            |         |
| Elements            | Al,B                                                       |         |

|                 |                                        |         |
|-----------------|----------------------------------------|---------|
| 坯/Billet(M0005) |                                        |         |
| 名称/Name         | 属性 (值) /Value                          | 单位/Unit |
| /Product Name   | Austenitic Stainless Steel Plates Slab |         |

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

## 坯/Billet(M0006)

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

## 批准的图纸/Approved Drawings

/Nil.

## 产品认可试验报告/ Approval Test Report

|                    |                                                    |
|--------------------|----------------------------------------------------|
| / Test Report No.  | DNTC-TR-16012601                                   |
| / Test Report Date | 2016-01-26                                         |
| / Test Report No.  | STL-FJNY-160126                                    |
| / Test Report Date | 2016-01-27                                         |
| / Test Report No.  | QNTC-TR-16110802/QNTC-TR-16110803                  |
| / Test Report Date | 2016-11-08                                         |
| / Test Report No.  | 2017052003                                         |
| / Test Report Date | 2017-08-16                                         |
| / Test Report No.  | DNTC-TR-19030701/DNTC-TR-19030702/DNTC-TR-19030703 |
| / Test Report Date | 2019-03-07                                         |
| / Test Report No.  | DNTC-TR-2020051601                                 |
| / Test Report Date | 2020-05-16                                         |
| / Test Report No.  | DNTC-TR-2307101                                    |
| / Test Report Date | 2023-07-10                                         |
| / Test Report No.  | DNTC-TR-2307102                                    |
| / Test Report Date | 2023-07-10                                         |
| / Test Report No.  | QNTC-TR-25010301                                   |
| / Test Report Date | 2025-01-03                                         |
| / Laboratory:      | Fujian Tsingtu Nickel Industry Co.,Ltd.            |

/ Laboratory: Tsingshan Steel Pipe Co.,Ltd.  
 / Test Address: Xiaozhi Industrial Zone, Wenxi Town,  
 Qingtian County Lishui City, Zhejiang province, P. R. China

### 认可后的产品检验方式/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 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.

### 认可保持条件/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.

### 备注/Remarks

1. No.FZ24PWA00009

This certificate is modified from and supersedes the previous Works Approval Certificate No.FZ24PWA00009.

2.

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

中国船级社福州分社  
 CCS Fuzhou Branch