

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000018Y
Revision No:
3

This is to certify:

That

Fujian Tsingtuo Nickel Industry Co., Ltd.
Fuxi Village, Wanwu Town, Fuan Fujian,
China

is an approved manufacturer of
Steelmaking

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0242 Semi-finished steel products

and the following particulars:

Application area	Steelmaking
Products	Semi-finished products for rolling or forging stock (Slabs / blooms / billets)
Steel type	Austenitic stainless, Austenitic-ferritic (Duplex) stainless
Manufacturing method	See page 2
Max. thickness	See page 2
Max. weight	See page 2
Heat treatment condition	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2024-09-16**

This Certificate is valid until **2027-12-31**.

DNV local unit: **Guangzhou FiS**

Approval Engineer: **Stefan Röhr**



for DNV

This document has been digitally signed and will
therefore not have handwritten signature

Christian Wildhagen

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: AM 311

Revision: 2022-12

www.dnv.com

Page 1 of 2

Particulars of the approval

Semi-finished products

Steel type	Product	Steel making ¹⁾	Max weight [kg]	Max. thickness / dimensions [mm]	Heat treatment condition ²⁾
Austenitic stainless ⁴⁾	Slab	EAF, CC	27 000	220 x 1 600	AC
	Bloom	EAF, CC	3 000	220 x 220	AR
	Billet	EAF, CC	1 000	Ø130	AR
Austenitic-ferritic (Duplex) stainless	Slab	EAF, CC	3 000	220 x 220	AC
	Slab ³⁾	EAF, CC	27 000	220 x 1 600	AC
	Bloom	EAF, CC	3 000	220 x 220	AR
	Billet	EAF, CC	1 000	Ø130	AR

Remarks:

- 1) EAF: Electric Arc Furnace; CC: Continuous Casting
- 2) AR: As rolled; AC: As cast
- 3) Limited to grade 22Cr Duplex
- 4) Including special chromium-nickel-manganese austenitic stainless steel grade 1.4372