



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

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Form code: AM 311

Revision: 2022-12

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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