



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000033D**

This is to certify:

That

**SeAH CTC Co.,Ltd**

**No. 2, Jiangnan Road, Jiangnan Industrial Zone, Songyang County, Lishui City,  
323400 Zhejiang, China**

is an approved manufacturer of  
**Steel Pipes and Fittings**

in accordance with

**DNV rules for classification – Ships**

**DNV class programme – DNV-CP-0252 Steel pipes and steel pipe fittings**

and the following particulars:

<b>Product</b>	<b>Pipes</b>
<b>Application area</b>	<b>Austenitic steel pipes</b>
<b>Steel type</b>	<b>Austenitic stainless</b>
<b>Manufacturing method</b>	<b>Seamless</b>
<b>Max. outer diameter</b>	<b>See page 2</b>
<b>Max. wall thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>Solution heat treated</b>

Manufacturer approved by this certificate is 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 **2023-10-27**

for **DNV**

This Certificate is valid until **2026-10-26**.

DNV local unit: **Ningbo FIS**

Approval Engineer: **Shylate Mahachi**

**Thorsten Lohmann**  
**Head of Section**

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

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## Particulars of the approval

### Austenitic stainless steel pipes (seamless)

Product	Steel type	Grade <sup>3) 4)</sup>	Manufacturing method <sup>1)</sup>	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
Coil	Austenitic stainless	304/304L	CFS	25.4	1.65	SHT
		316/316L				
Straight pipe		304/304L		38.1	3.0	
		316/316L				

Remarks:

- 1) CFS: Cold finished seamless
- 2) SHT: Solution Heat Treated (solution annealing)
- 3) Suitable pipe grades shall be selected from the following recognized standards: ISO 9329 Part 4, ISO 9330 Part 6, EN 10216 Part 5, EN 10217 Part 7, ASTM A213, ASTM A269, ASTM A312, ASTM A358, ASTM A789, ASTM A790, ASTM A928 or JIS G3459
- 4) Pre-material from DNV approved manufacturers.