APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001DW
Revision No:
3

This is to certify:

That

Outokumpu Stainless Oy
Terästie, 95490 Tornio,
Finland

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV rules for classification – Ships
DNV class programme – DNV-CP-0244 Rolled steel products - stainless steel

and the following particulars:

Application area	**Stainless steel**
Product	**Plates and sheets,** **Coils,** **Strip**
Steel type	**Austenitic stainless steel (see page 2)**
Manufacturing method	**Electric Arc Furnace,** **Argon-oxygen decarburisation,** **Continuous Casting**
Max. thickness	**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 **2025-07-25**

This Certificate is valid until **2028-06-30**.
DNV local unit: **Finland CMC**

Approval Engineer: **Dechun Lou**

for **DNV**

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

Stefan Röhr

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.

Particulars of the approval

Plates, sheets and strips

Grade	Steelmaking [1]	Max. thickness [mm]	Heat treatment condition [2]
NV 304 L	EAF, AOD, CC	12.7	SHT
NV 316 L	EAF, AOD, CC	12.7	SHT
NV 321	EAF, AOD, CC	12.7	SHT

Hot and cold rolled coils (grades according to international standards)

Grade	Standard	Steelmaking [1]	Max. thickness [mm]	Heat treatment condition [2]
316Ti	ASTM A240/A240M, ASME SA-240/SA-240M	EAF, AOD, CC	8 (hot rolled), 6 (cold rolled)	SHT
1.4571	EN 10028-7	EAF, AOD, CC	8 (hot rolled), 6 (cold rolled)	SHT
UNS 31655	ASTM A240/A240M	EAF, AOD, CC	8 (hot rolled), 5 (cold rolled)	SHT
1.4420	EN 10028-7	EAF, AOD, CC	8 (hot rolled), 5 (cold rolled)	SHT

Remarks:

[1] EAF: Electric Arc Furnace
AOD: Argon Oxygen Decarburisation
CC: Continuous Casting

[2] SHT: solution heat treated (solution annealed)