



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002DA
Revision No:
2

This is to certify:

That
CENTRAVIS PRODUCTION UKRAINE PJSC
56, Trubnikov Avenue, Nikopol, 53201,
Ukraine

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with
DNV rules for classification – Ships

and the following particulars:

Product	Pipes
Application area	Austenitic and ferritic-austenitic steel pipes
Steel type	Austenitic stainless, Ferritic-austenitic (22Cr-Duplex) stainless
Manufacturing method	Seamless, hot or cold finished
Max. outer diameter	See page 2
Max. wall thickness	See page 2
Heat treatment condition	See page 2
Additional approval conditions	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 **2022-02-15**

for **DNV**

This Certificate is valid until **2024-12-31**.

DNV local station: **Nikolaev**

Approval Engineer: **Andreas Koch**

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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: 2021-03

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Particulars of the approval

Austenitic and ferritic-austenitic steel pipes

Steel type /grade ³⁾	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Austenitic stainless	HFS, CFS	219	24	SHT
22Cr-Duplex	HFS, CFS	114.3	8.56	SHT

Remarks:

- ¹⁾ HFS: hot finished seamless
CFS: cold finished seamless
- ²⁾ SHT: Solution Heat Treated (solution annealing)
- ³⁾ Suitable pipe grades shall be selected from the following recognised 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 and JIS G3459

Special conditions:

Including automatic eddy current or ultrasonic testing in lieu of hydraulic testing according to relevant standard.
Including austenitic stainless steel for approved low-temperature applications.