

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00002DA**  
Revision No:  
**3**

This is to certify:

That  
**CENTRAVIS PRODUCTION UKRAINE PrJSC**  
56, Trubnikov Avenue, Nikopol, 53201,  
Ukraine

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 and ferritic-austenitic steel pipes</b>
<b>Steel type</b>	<b>Austenitic stainless, Ferritic-austenitic (22Cr-Duplex) stainless</b>
<b>Manufacturing method</b>	<b>Seamless, hot or cold finished</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>See page 2</b>
<b>Additional approval conditions</b>	<b>See page 2</b>

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 **2025-02-24**

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

DNV local unit: **Odessa**

Approval Engineer: **Andreas Koch**



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.

## Particulars of the approval

### Austenitic and ferritic-austenitic steel pipes

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

Remarks:

- <sup>1)</sup> HFS: hot finished seamless  
CFS: cold finished seamless
- <sup>2)</sup> SHT: Solution Heat Treated (solution annealing)
- <sup>3)</sup> 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.