



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000014X**  
Revision No:  
**5**

This is to certify:

That

**Niche Fusina Rolled Products S.r.l.**

**Via dell'Elettronica, 31  
30176 Fusina (Venezia) VE,  
Italy**

is an approved manufacturer of  
**Wrought Aluminium and Aluminium Alloys**

in accordance with  
**DNV rules for classification – Ships  
DNV class programme – DNV-CP-0248 Wrought aluminium alloys**

and the following particulars:

<b>Application area</b>	<b>Wrought Aluminium Alloys</b>
<b>Products</b>	<b>Plates and sheets</b>
<b>Grade(s)</b>	<b>NV 5052 H32 and H34, NV 5083 O, H111, H112, H116 and H321, NV 5086 O, H111 and H116, NV 5154A O, NV 5383 O, H111, H116 and H321 NV 5456 H116, H321 NV 5754 O, H111, H32 and H34</b>
<b>Max. thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</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 **2023-02-28**

for **DNV**

This Certificate is valid until **2024-06-30**.

DNV local unit: **Venice**

Approval Engineer: **Stefan Röhr**

**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.



## Particulars of the approval

### Wrought Aluminium Alloys (Sheets and Plates)

Grades <sup>3)</sup>	Temper	Max. thickness (mm)
NV 5052	H32, H34	10
NV 5083	O, H111, H112, H116, H321	65 <sup>1)</sup>
NV 5083	H128 <sup>2)</sup>	8
NV 5086	O, H111, H116	50
NV 5154A	O	10
NV 5383	O, H111, H116, H321	50
NV 5456	H116, H321	50
NV 5754	O, H111	50
NV 5754	H32, H34	10

Remarks:

1. For thicknesses over 50 mm mechanical properties shall be in accordance with a recognised standard
2. In accordance with ASTM B928-13
3. Incl. equivalent grades in acc. to other applications