



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00003A3**

This is to certify:

That

**TRIMET Aluminium SE**  
**Aluminiumallee 1, 45356 Essen,**  
**Germany**

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>Semi-finished products: billets and slabs</b>
<b>Manufacturing method</b>	<b>Vertical continuous casting</b>
<b>Max. weight</b>	<b>See page 2</b>
<b>Max. thickness or diameter</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 **2025-04-04**

This Certificate is valid until **2028-04-03**.

DNV local unit: **Essen**

for **DNV**

Approval Engineer: **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

### Semi-finished products: billets and slabs

Grade <sup>1)3)</sup>	Product	Max. thickness or diameter [mm]	Max. weight [kg]	Heat treatment condition
AlMg alloys (5000 series)	Billet	548	4 800	As cast / homogenization
AlMg alloys (5000 series)	Slab	600	19 000	As cast
AlMgSi alloys (6000 series)	Billet	548	4 800	As cast / homogenization
AlMgSi alloys (6000 series)	Slab	600	19 000	As cast
AlMgSi alloys (6000 series)	Oval billet	230	2 700	As cast / homogenization
AlZnMg alloys (7000 series)	Billet	548	4 800	As cast / homogenization
AlZnMg alloys (7000 series)	Slab	600	19 000	As cast