



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:  
**AMMM00000R1**  
Revision No:  
**3**

## This is to certify:

that

**Novelis Casthouse Germany GmbH**  
**Schleusenstraße 1,**  
**46562 Voerde (Niederrhein),**  
**Germany**

is an approved manufacturer of  
**Aluminium Alloy Castings**

in accordance with

**DNV rules for classification – Ships**  
**DNV class programme – DNV-CP-0250 Aluminium alloy castings**

and the following particulars:

<b>Application area</b>	<b>Aluminium Casting Alloys</b>
<b>Products</b>	<b>Ingots intended for further processing (Sheets, Plates)</b>
<b>Alloys</b>	<b>See page 2</b>
<b>Manufacturing method</b>	<b>Ingot casting</b>
<b>Max. weight</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>

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 **2025-09-08**

This Certificate is valid until **2028-06-30**.

DNV local unit: **Essen**

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 USD 300 000.

## Particulars of the approval

### Semi-finished products (ingots)

Grade	Casting method <sup>1)</sup>	Max. weight [kg]	Thickness [mm]	Heat treatment condition <sup>2)</sup>
NV-5083	IC	13 000	600	AC
NV-5059	IC	13 000	600	AC
NV-5754	IC	13 000	600	AC
NV-5086	IC	13 000	600	AC
NV-5383	IC	13 000	600	AC

Remarks:

<sup>1)</sup> IC: Ingot casting

<sup>2)</sup> AC: As cast