



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:

Application area	Aluminium Casting Alloys
Products	Ingots intended for further processing (Sheets, Plates)
Alloys	See page 2
Manufacturing method	Ingot casting
Max. weight	See page 2
Max. wall thickness	See page 2
Heat treatment condition	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 **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 ¹⁾	Max. weight [kg]	Thickness [mm]	Heat treatment condition ²⁾
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:

¹⁾ IC: Ingot casting

²⁾ AC: As cast