



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000021K
Revision No:
1

This is to certify:

That

Grupo Aluminios De Precision S.L.
Calle Merindad de Cuesta Urria, 26,
09001 Burgos, Spain

is an approved manufacturer of
Aluminium Alloy Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Aluminium Alloy Castings
Alloys	EN AC-42100, EN AC-42200, EN AC-43100
Manufacturing method	See page 2
Max. weight	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 **2021-04-13**

for **DNV**

This Certificate is valid until **2024-04-30**.

DNV local station: **Area NB/CMC Iberia**

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.



Form code: AM 311

Revision: 2021-03

www.dnv.com

Page 1 of 2

Particulars of the approval

Aluminium Alloy Castings

Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
EN AC-42100	SC	500	T6
EN AC-42200	SC	500	T6
EN AC-43100	SC	500	F, T6

Remarks:

- 1) SC: Sand casting
- 2) F: Cast condition;
T6: solution annealed and completely artificially aged