

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000021C**

## This is to certify:

That

**Weseralu GmbH & Co. KG**  
**Minden, Germany**

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

in accordance with  
**DNV GL rules for classification – Ships**

and the following particulars:

<b>Application area</b>	<b>Wrought Aluminium Alloys</b>
<b>Products</b>	<b>Sections</b>
<b>Manufacturing method</b>	<b>Extrusion</b>
<b>Dimensions</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</b>
<b>Additional approval conditions</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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2018-04-19**

This Certificate is valid until **2021-06-30**.

DNV GL local station: **Magdeburg**

Approval Engineer: **Christian Wildhagen**



for **DNV GL**

Digitally Signed By: Roehr, Stefan

Location: DNV GL Hamburg, Germany

Signing Date: 2018-04-19 , on behalf of

**Thorsten Lohmann**

**Head of Section**



## Particulars of the approval

### Wrought aluminium alloys

Grade <sup>1)</sup>	Product	Max. wall thickness [mm]	Temper
VL 6082	Sections	200 <sup>2)</sup> 100 <sup>3)</sup>	T4, T6
VL 5754	Sections	200 <sup>2)</sup> 100 <sup>3)</sup>	O, H111
VL 5083	Sections	200 <sup>2)</sup> 100 <sup>3)</sup>	O, H111
VL 6005A	Sections	200 <sup>2)</sup> 100 <sup>3)</sup>	T6

#### Remarks:

- 1) Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules
- 2) Open sections
- 3) Closed sections

#### Pre-material supplier:

and DNVGL approved manufacturers approved by DNVGL for the applicable grades of semi-finished products.

#### Special conditions:

For thicknesses over 50 mm mechanical properties shall be in accordance with a recognised standard.