



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002XT

This is to certify:

That

Hunan Valin Lianyuan Iron and Steel Co., Ltd.
Luoxing District, Loudi, Hunan,
China

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Normal strength steel, High strength steel
Products	Plates
Manufacturing method	Basic oxygen converter, ingot casting
Max. 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 **2021-12-16**

for **DNV**

This Certificate is valid until **2024-12-15**.

DNV local station: **Wuhan**

Approval Engineer: **Stefan Röhr**

Thorsten Lohmann
Head of Section

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Particulars of the approval

Normal strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾
VL A, VL B	Plates	BOC, CC	Al	20	AR

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾
VL A32, VL A36	Plates	BOC, CC	Al+Nb+Ti	16	TM
VL D32, VL D36	Plates	BOC, CC	Al+Nb+Ti	16	TM

Remarks:

- ¹⁾ BOC: Basic oxygen converter
 CC: Continuous casting
- ²⁾ AR: As rolled
 TM: Thermo-mechanical rolling