

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That
LAMINADOS LOSAL, S.A.
Gernika, Vizcaya,
Spain

is an approved manufacturer of
Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Normal strength steel
Products	High strength steel
Manufacturing method	Structural sections
	Basic oxygen converter
	Continuous casting
Max. thickness	See page 2
Heat treatment condition	See page 2
Additional approval conditions	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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-01-08**

for **DNV GL**

This Certificate is valid until **2021-12-31**.

DNV GL local station: **Bilbao**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-009112-1**
Certificate No: **AMMM00002DR**

Particulars of the approval

Normal strength steel

Grade ³⁾	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Delivery condition ²⁾	Z-quality
VL A, VL B	Section	BOC, CC	-	11	AR	-

High strength steel

Grade ³⁾	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Delivery condition ²⁾	Z-quality
VL A36, VL D36	Section	BOC, CC	Al	11	AR	-
	Section	BOC, CC	V	11	AR	-
VL E32, VL E36, VL F32, VL F36	Section	BOC, CC	Al+V	11	NR	-

Remarks:

- 1) BOC: Basic oxygen converter
CC: Continuous casting
- 2) AR: as rolled
NR: normalized rolling
- 3) Certification of any material applied to classed object shall fulfil the applicable material requirements in the DNV GL class rules