

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000AK
Revision No:
1

This is to certify:

That
ACRONI d.o.o.
Jesenice, Slovenia

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Product Grade(s)	Steel Plates Normal and High Strength Steels, Steels for boilers and pressure vessels, Stainless steels
Steelmaking	Electric Arc Furnace, Continuous Casting
Deoxidation	Killed
Fine grain elements	Al, Al+Nb or acc. to standard
Delivery conditions	Normalized, normalized rolled or solution annealed + quenched
Max. thickness/diam.	100 mm
Remarks	See particulars of the approval

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-01-25**.

Issued at **Hamburg** on **2016-06-20**

DNV GL local station: **Koper**

Approval Engineer: **Christian Wildhagen**

for **DNV GL**

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Thorsten Lohmann
Head of Section

Job Id: **263.11-005393-1**
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Particulars of the approval

Rolled Steel Products:

Grade	Product	Supply Condition	Casting Method	Thickness [mm], max.	Width [mm], max.	Micro-alloy
Normal strength steel						
VL A, VL B, VL D, VL E	BL	NR	CC	50	2000	Al
VL A, VL B, VL D, VL E	BL	N	CC	50	2000	Al
High strength steel						
VL A32, VL D32	BL	NR	CC	70	2000	Al+Nb
VL A32, VL D32, VL E32 VL A36, VL D36, VL E36	BL	N	CC	100	2000	Al+Nb
Steel for boilers, pressure vessels and special application						
VL 360-ON, VL 360-1FN, VL 360S-1FN	BL	N	CC	60	2000	Al+Nb
VL 410-ON, VL 410-1FN, VL 410S-1FN	BL	N	CC	60	2000	Al+Nb
VL 460-ON, VL 460-1FN, VL 460S-1FN	BL	N	CC	60	2000	Al+Nb
VL 510-1FN, VL 510S-1FN	BL	N	CC	60	2000	Al+Nb
VL 0.3Mo, VL 0.3MoS	BL	N	CC	60	2000	-
Stainless Steel						
VL 304 L, VL 316L, VL316 L N, VL 321, VL 347	BL	S+Q	CC	100	2000	-
Steels acc. to EN 10025-2						
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2	BL	acc. to standard	CC	50	2000	acc. to standard
Steels acc. to EN 10028-2						
P235GH, P265GH, P295GH, P355GH	BL	acc. to standard	CC	60	2000	acc. to standard

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Grade	Product	Supply Condition	Casting Method	Thickness [mm], max.	Width [mm], max.	Micro-alloy
Steels acc. to EN 10088-2						
1.4301 , 1.4306, 1.4307, 1.4310, 1.4311, 1.4404, 1.4432, 1.4435, 1.4436, 1.4541, 1.4550, 1.4571, 1.4878, 1.4948,	BL	S+Q	CC	100	2000	-
1.4362, 1.4462	BL	S+Q	CC	80	2000	-
Steels acc. to ASTM A240						
301 , 304, 304H, 304L, 304LN, 316, 316L, 316TI, 317L, 321, 321H, 347, 347H	BL	S+Q	CC	100	2000	-
S31803, S32205, S32304	BL	S+Q	CC	80	2000	-

BL: plates NR: normalized rolled N: normalized S+Q: solution annealed + quenched CC: continuous casting