



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00000AK**  
Revision No:  
**3**

This is to certify:

That

**SIJ Acroni d.o.o.**  
**Cesta Borisa Kidrica 44, 4270 Jesenice,**  
**Slovenia**

is an approved manufacturer of  
**Steelmaking and Rolled Steel Products**

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

and the following particulars:

<b>Application area</b>	<b>Normal strength steel</b> <b>High strength steel</b> <b>Steels for boiler and pressure vessels</b> <b>Stainless steel</b>
<b>Product</b>	<b>Steel plates</b>
<b>Manufacturing method</b>	<b>Electric arc furnace,</b> <b>Continuous casting</b>
<b>Max. thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2022-05-10**

for **DNV**

This Certificate is valid until **2025-03-25**.

DNV local station: **Rijeka**

Approval Engineer: **Christian Wildhagen**

**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

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## Particulars of the approval

### Normal strength steel

Grade	Product	Steel making <sup>1)</sup>	Fine grain elements	Max. thickness [mm]	Heat treatment condition <sup>2)</sup>
NV A, NV B, NV D, NV E	Plate	EAF, CC	Al	50	NR
NV A, NV B, NV D, NV E	Plate	EAF, CC	Al	50	N

### High strength steel

Grade	Product	Steel making <sup>1)</sup>	Fine grain elements	Max. thickness [mm]	Heat treatment condition <sup>2)</sup>
NV A32, NVD32	Plate	EAF, CC	Al+Nb	70	NR
NV A32, NV D32, NV E32, NV A36, NV D36, NV E36	Plate	EAF, CC	Al+Nb	100	N

### Rolled steels for boiler and pressure vessels

Grade	Product	Steel making <sup>1)</sup>	Fine grain elements	Max. thickness [mm]	Heat treatment condition <sup>2)</sup>
NV 360-0N, NV 360-1FN, NV 360S-1FN	Plate	EAF, CC	Al+Nb	60	N
NV 410-0N, NV 410-1FN, NV 410S-1FN	Plate	EAF, CC	Al+Nb	60	N
NV 460-0N, NV 460-1FN, NV 460S-1FN	Plate	EAF, CC	Al+Nb	60	N
NV 510-1FN, NV 510S-1FN	Plate	EAF, CC	Al+Nb	60	N
NV 0.3Mo, NV 0.3MoS	Plate	EAF, CC	-	60	N

### Stainless steel

Grade	Product	Steel making <sup>1)</sup>	Fine grain elements	Max. thickness [mm]	Heat treatment condition <sup>2)</sup>
Austenitic: NV 304L, NV 316L, NV 316LN, NV 321, NV 347 Duplex: UNS S31803	Plate	EAF, CC	-	100	SHT

Steels acc. to other standards <sup>3)</sup>

Grade	Product	Steel making <sup>1)</sup>	Fine grain elements	Max. thickness [mm]	Heat treatment condition <sup>2)</sup>
Steel acc. to EN 10025-2					
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2	Plate	EAF, CC	acc. to standard	50	acc. to standard
Steel acc. to EN 10028-2					
P235GH, P265GH, P295GH, P355GH	Plate	EAF, CC	acc. to standard	60	acc. to standard
Steel 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,	Plate	EAF, CC	-	100	SHT
1.4362, 1.4462	Plate	EAF, CC	-	80	SHT
Steels according to ASTM A240					
301, 304, 304H, 304L, 304LN, 316, 316L, 316TI, 317L, 321, 321H, 347, 347H	Plate	EAF, CC	-	100	SHT
S31803, S32205, S32304	Plate	EAF, CC	-	80	SHT

Remarks:

- 1) EAF: Electric arc furnace  
 CC: Continuous casting  
 NR: normalizing rolling  
 N: normalized  
 SHT: solution heat treated (solution annealed)
- 2) Possible application and certification of any material to classed object is subject to case by case approval