

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

DK Corporation
Pohang, Gyeongsangbuk-do,
Republic of Korea

is an approved manufacturer of
Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships
DNV GL offshore standards

and the following particulars:

Application area	Stainless steel
Products	Plates
Grades	Austenitic stainless, Ferritic-austenitic (22Cr-duplex) stainless, See page 2
Manufacturing method	Electric arc furnace, Continuous casting
Max. thickness / diameter	80 mm
Heat treatment condition	Solution heat treated
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 **2019-01-10**

for **DNV GL**

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

DNV GL local station: **Ulsan**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Particulars of the approval

Stainless steel

Grade ⁴⁾	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Delivery condition ²⁾
VL 304 L, VL 304 LN VL 316 L, VL 316 LN, VL 321	Plate	EAF, CC	-	80	SHT
UNS S31803					

Stainless steel acc. international standards

Grade ⁴⁾	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Delivery condition ²⁾
Stainless steel acc. EN 10028-7 and EN 10088-2					
1.4301, 1.4306, 1.4307, 1.4311, 1.4401, 1.4404, 1.4406, 1.4429, 1.4435, 1.4436, 1.4462	Plate	EAF, CC	-	80	SHT
Austenitic stainless steel acc. ASTM A240					
304, 304L, 316, 316LN, 321, S31803, S32205	Plate	EAF, CC	-	80	SHT

Remarks:

- 1) EAF: Electric arc furnace
CC: Continuous casting
- 2) SHT: solution heat treated (solution annealed)
- 3) Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules
- 4) Incl. equivalent grades in acc. to other standards

Special conditions:

Steelmaking and rolling is carried out by POSCO, Pohang Works and Nippon Steel and Sumikin Stainless Steel Corp., Yawata Works.