

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

JINDAL STAINLESS LIMITED

Kalinganagar Industrial Complex, Jajpur, 755026, Odisha, India

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Product Grades	Plates VL 304L, VL 316L, VL 317L, VL 321, VL 347, 201LN (See page 2)
Steelmaking	Electric Arc Furnace, Argon Oxygen Decarburization, Ladle Refining Furnace, Continuous Casting
Deoxidation	Killed
Delivery conditions	Solution Heat Treated
Max. thickness	See page 2

Manufacturer approved by this certificate is accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-05-09**.

Issued at **Høvik** on **2016-05-10**

DNV GL local station: **Mumbai CMC**

for **DNV GL**

Approval Engineer: **Dechun Lou**

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Hanne Anita Hjerpetjønn
Head of Section

Job Id: **263.11-004616-1**
Certificate No: **AMMM00000JE**

Particulars of the approval

Semi-finished products: Slabs

Austenitic stainless steels:			
Grades	Steelmaking ¹⁾	Fine grain elements	Max. thickness (mm)
VL 304L, VL 316L, VL 317L, VL 321, VL 347	EAF, AOD, LRF, CC	-	Not applicable
201LN ²⁾	EAF, AOD, LRF, CC	-	

Remarks:

¹⁾ EAF: Electric Arc Furnace; AOD: Argon Oxygen De-carburization; LRF: Ladle Refining Furnace; CC: Continuous Casting.

²⁾ According to ASTM A240 and project specifications.

Final products: Steel Plates

Austenitic stainless steels:					
Grade	Steelmaking ¹⁾	Fine grain treatment	Delivery condition ²⁾	Max. thickness (mm)	Z-quality
VL 304L, VL 316L, VL 317L,	EAF, AOD, LRF, CC	-	SHT	55	-
VL 321, VL 347	EAF, AOD, LRF, CC	-	SHT	55	-
201LN ³⁾	EAF, AOD, LRF, CC	-	SHT	30	-

¹⁾ EAF: Electric Arc Furnace; AOD: Argon Oxygen De-carburization; LRF: Ladle Refining Furnace; CC: Continuous Casting.

²⁾ SHT: Solution Heat Treated.

³⁾ According to ASTM A240 and project specifications.