

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000019U
Revision No:
1

This is to certify:

That

Hi-CON Technocast Pvt. Ltd.

**Plot No. D-6, Road No. 11, Lodhika Industrial Estate, G.I.D.C. Metoda,
Kalawad Road, Dist. Rajkot - 360021 Gujara,
India**

is an approved manufacturer of
Steel Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Castings for boilers, pressure vessels and piping systems, Stainless steel castings
Steel type	Carbon and carbon-manganese, Austenitic stainless, See page 2
Casting method	Investment casting
Max. weight	60 kg
Max. wall thickness	60 mm
Heat treatment condition	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 **2020-06-04**

This Certificate is valid until **2023-09-12**.

DNV GL local station: **Mumbai**

Approval Engineer: **Christian Wildhagen**



for **DNV GL**

Digitally Signed By: Roehr, Stefan

Location: DNV GL Hamburg, Germany

Signing Date: 08.06.2020 , on behalf of

Thorsten Lohmann
Head of Section

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Form code: AM 311

Revision: 2020-01

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Job Id: 263.11-010838-1
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Particulars of the approval

Steel castings for boilers, pressure vessels and piping systems

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Delivery condition ²⁾
C and C-Mn	C450H, C490H	IC	60	60	QT

Stainless steel castings

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Delivery condition ²⁾
Austenitic stainless	GX 2 CrNi 18 10 (304L), GX 5 CrNi 19 9 (304), GX 2 CrNiMo19 11 2 (316L), GX 5 CrNiMo19 11 2 (316), GX 5 CrNiMo19 11 3 (317)	IC	60	60	SHT

Remarks:

- 1) IC: Investment Casting
- 2) SHT: Solution Heat Treated (Solution Annealing)
QT: Quenched and tempered
- 3) Incl. equivalent grades in acc. to other standards