

CERTIFICATE

**Quality-assurance System
for Material Manufacturer
acc. to Pressure Equipment Directive 97/23/EC
and AD 2000-Merkblatt W0**

Certificate no.: 07 202 1423 WZ 1016/08

**Name and address
of manufacturer:**

**Castech Foundries Pvt. Ltd.
1708/1709, GIDC, Phase II,
Dolatpara, Junagadh - 362 003, India**

This is to certify that the manufacturer has implemented and applies a QA System.
This QA System has been subjected to a specific assessment for material acc. to Directive 97/23/EC and acc. to AD 2000-Merkblatt W0, with regard to the materials mentioned within the scope of approval.

Approved:

**QA System acc. to Directive 97/23/EC Annex I, sec. 4.3
and AD 2000-Merkblatt W0**

Audit report no.:

21334608

Scope of approval:

Valve and Pump Castings
Details of the scope are mentioned in the annex of the certificate.

Production site:

**1708/1709, GIDC, Phase II,
Dolatpara, Junagadh - 362 003, India**

The manufacturer disposes of the essential procedures and equipments as well as the required qualified personnel to ensure quality of manufacturing and testing the materials and products mentioned in the scope of approval.

Essen, 25.09.2008



**TÜV CERT-Zertifizierungsstelle
für Druckgeräte der
TÜV NORD Systems GmbH & Co. KG
(Essen)**

Hübinger

Notified body, registration no. 0045

Remark of validity:

Valid until 09.2011

TÜV NORD Systems GmbH & Co. KG
Langemarckstr. 20
45141 Essen
Germany

Tel. +49-(0) 201/825-2737
Fax +49-(0) 201/825-2858
e-mail HBerger@tuev-nord.de

Member of



COOPERATION EUROPÉENNE D'ORGANISMES DE CERTIFICATION

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045

Scope of approval for material manufacturer acc. to Pressure Equipment Directive 97/23/EC, annex I, sec. 4.3 and AD 2000-Merkblatt W0

Date : 25.09.2008
File no : 21334608
File no : 21334608

Annex to the certificate
PED no : 07 202 1423 WZ 1016 08
AD 2000-WO no : 07 202 1423 WP 1016 08

Firm : CASTCH FOUNDRIES PVT. LTD.
Place: 1708/1709, GIDC-II,
Dolapara -JUNAGADH-362 003

Item No.	Name of material Material number	Specification	Condition of delivery	Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, g]	Regulations Requirements	Remarks
1	Grade WCB	ASTM A 216/A216M	4	5	6	7	8	9
2	Grade WCC	ASTM A 216/A216M	N	Valve and Pump Castings	50mm Wall Thick.	350mm Investment casting	Directive 97/23/EC	In Conjunction with EN 1503-2:2000 Annex page 2 of 2 to cert.no.
3	Grade LCB	ASTM A 352/A 352M	N					
4	Grade LCC	ASTM A 352/A 352M	QT					
5	Grade LC2	ASTM A 352/A 352M	QT					
6	Grade WC6	ASTM A 217/A 217M	A					
7	Grade WC9	ASTM A 217/A 217M	NT					
8	Grade CF3A	ASTM A 217/A 217M	NT					
9	Grade CF3	ASTM A 351/A 351M	L					
10	Grade CF8	ASTM A 351/A 351M	L					
11	Grade CF3M	ASTM A 351/A 351M	L					
12	Grade CF8M	ASTM A 351/A 351M	L					
13	Grade CH20	ASTM A 351/A 351M	L					
14	Grade CK20	ASTM A 351/A 351M	L					
15	Grade CG8M	ASTM A 351/A 351M	L					
16	Grade CF8C	ASTM A 351/A 351M	L					
17	Grade CK3MCuN	ASTM A 351/A 351M	L / LSB					
18	Grade M 35-1	ASTM A 494/A 494M	L					
19	Grade CD4MCU	ASTM A890/A 890	As Cast					
20	Grade CD4MCUN	ASTM A890/A 890	L					

TÜV-CERT
Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG (Essen)

Bent

- A = Solution Treated and Tempered
L = Solution Treated
N = Normalized
S = Stress-Free Annealed
TM = Thermomech. Treated
NT = Normalized and Tempered
- U = Not Annealed
V = Hardened
CR = Temperature-Regulated Warm-Formed
SB = Stabilization Treatment
QT = Quench and Tempered
T = Tempered