

CERTIFICATE

**Quality-assurance System
for Material Manufacturer
acc. to Pressure Equipment Directive 97/23/EC**

Certificate no.: 07 202 1423 WZ 0896 10

**Name and address
of manufacturer:**

**Jindal Stainless Limited
Hot Rolling & Cold Rolling Divisions
OP Jindal Marg, Hisar
Haryana – 125 005, 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, 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

Audit report no.:

810 734 3161

Scope of approval:

**Manufacture and Supply of Stainless Steel Plates, Coils,
Sheets and Strips**

Details of the scope are mentioned in the annex of the certificate.

Production site:

**Hot Rolling & Cold Rolling Divisions, OP Jindal Marg,
Hisar, Hayana – 125 005, 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, 19.11.2010
Rev. 1: 04.06.2012**



**Zertifizierungsstelle für Druckgeräte der
TÜV NORD Systems GmbH & Co. KG**

0045

Niekamp

Notified body, registration no. 0045

Remark of validity:

Valid until 11.2013

TÜV NORD Systems GmbH & Co. KG Tel. +49-(0) 201/825-2720
Langemarckstr. 20 Fax +49-(0) 201/825-2858
45141 Essen e-mail AHuebinger@tuev-
Germany nord.de

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

TÜV NORD Systems GmbH & Co. KG

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 / AD2000-Guidelines W0



Firm: Jindal Stainless Limited
 Place: Hisar, Haryana - 125 005, India

Annex to Certificate
 DGRL No.: 07 202 1423 WZ0896 10
 AD 2000-W0-No: 07 202 1423 WP0896 10

Date : 04.06.2012
 TÜV-File: SEK-Nkp
 TÜV-File: SEK-Nkp



Item No.	Name of material Material number	Specification	Condition of delivery	Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Regulations Requirements	Remarks Doc.-Nr. WW_20_03_DE (2009-04)
1	2	3	4	5	6	7	8	9
1	X5Cr Ni 18-10 (1.4301)	EN 10028-7	+AT	} Stainless Steel, Strips, Sheet,Coil & Plates	} CR Strips,Sheet & Coil up to 5 mm } HR Strips & Coil 12 mm HR Plate 5mm to 60mm	} CR Strips,Sheet & Coil up to 20 MT } HR Strips & Coil 0.75 MT } HR Plate 0.400 to 5.5 MT	AD 2000 Merkblatt W0 AD 2000 Merkblatt W2 AD 2000 Merkblatt W 10	Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
2	X2 CrNiMo 17 12 2 (1.4404)	EN 10028-7	+AT					
3	X6CrNiTi 18-10 (1.4541)	EN 10028-7	+AT					
4	X2CrNi 18-9 (1.4307)	EN 10028-7	+AT					
5	X5CrNi Mo 17-12-2 (1.4401)	EN 10028-7	+AT					
6	X2CrNiMo 18-15-4 (1.4438)	EN 10028-7	+AT					
7	X6CrNi 18-10 (1.4948)	EN 10028-7	+AT					
8	X2CrNiN 18-7 (1.4318)	EN 10028-7	+AT					
9	X6CrNiMoTi 17-12-2(1.4571)	EN 10028-7	+AT					
10	X2CrNi12(1.4003)	EN 10028-7	+A				PED 97/23/EC	

Erläuterungen / Explanation: +AT / AT = Lösungsgeglüht und abgeschreckt / solution heat treated and dettered; N = Normalgeglüht und normalisierend umgeformt / normalized and normalizing forming;
 NT = Normalgeglüht und angelassen / normalized and annealed; +QT / V = vergütet / quenched and tempered; M = Thermomechanisch behandelt / thermomechanical treated
 U = Ungeglüht / without annealing; S = Spannungsarmgeglüht / stress relieved; A = weichgeglüht / soft annealed; CR = Temperatureregelt umgeformt / controlled hot rolled; +A = Annealed
 Hinweis zu Werkstoff gem. Richtlinie 97/23/EG / Hints for materials use acc. to Directive 97/23/EC :
 Für die spezifischen Einsatzbedingungen ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen benannten Stelle erforderlich.
 The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge

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 / AD2000-Guidelines W0

Systems

Firm: Jindal Stainless Limited
 Place: Hisar, Haryana - 125 005, India

Annex to Certificate
 AD 2000-W0-No.: 07 202 1423 WP0896 10
 DGRL-Nr. : 07 202 1423 WZ0896 10

Date : 04.06.2012
 TÜV-File: SEK-Nkp
 TÜV-File: SEK-Nkp



Item No.	Name of material Material number	Specification	Condition of delivery	Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Regulations Requirements	Remarks Doc.-Nr. WW_20_03_DE (2009-04)
1	2	3	4	5	6	7	8	9
1	201	ASTM A240/ASME SA 240	+AT	Stainless Steel coils, plates, sheets and Strips & Coil	CR Strips ,Coil & Sheets upto 5mm	CR Strips, sheet & Coil upto 20MT		If use in area of PED 97/23/EC a Particular Material Appraisal (PMA) is necessary
2	202		+AT					
3	301		+AT					
4	301L		+AT					
5	301LN		+AT					
6	304		+AT					
7	304L		+AT					
8	304H		+AT					
9	316		+AT					
10	316L		+AT					
11	316Ti		+AT					
12	317L		+AT					
13	321		+AT					
14	321H		+AT					
15	309S		+AT					
16	310S		+AT					
17	409		+A					
18	430		+A					
19	410		+A					
20	410S		+A					
21	S32205		+AT					
22	S41500		+A					
23	S32304		+AT					
24	347		+AT					
25	420		ASTM A 176					

NT = Normalgeglüht und angelassen / normalized and annealed; +QT / V = vergütet / quenched and tempered; M = Thermomechanisch behandelt / thermomechanical treated

U = Ungeglüht / without annealing; S = Spannungsarmgeglüht / stress relieved; A = weichgeglüht / soft annealed; CR = Temperaturregert umgeformt / controlled hot rolled

Hinweis zu Werkstoff gem. Richtlinie 97/23/EG / Hints for materials use acc. to Directive 97/23/EC :

Für die spezifischen Einsatzbedingungen ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen benannten Stelle erforderlich.

The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge