CERTIFICATE

Quality-Assurance System for material manufacturer according to Pressure Equipment Directive 2014/68/EU

Certificate no.: 07/202/1409/WZ/1680/21

Name and address of the manufacturer:	**Maxim Tubes Company Pvt. Ltd. (Unit – II)** **Survey No. 105/106, Chhatral – Pansar Road** **Chhatral – 382 729, Taluka: Kalol** **Dist: Gandhinagar, Gujarat, India**

Herewith we certify that the manufacturer has established and applies a **quality-assurance system related to the material**. This QA System has been subjected to a specific assessment acc. to directive 2014/68/EU, annex I, point 4.3 with regard to the materials mentioned in the scope of approval.

Approved acc. to directive 2014/68/EU:	**QA-System in relation to materials, EN 764-5, section 4.2 and AD2000-Merkblatt W0**
Certification file no.:	**811 883 3390**
Audit report file no.:	**811 877 1379**
Scope of approval: *(product / material)*	**Stainless Steel Seamless and Welded Tubular**
Production site:	**Survey No. 105/106, Chhatral – Pansar Road, Chhatral – 382 729, Taluka: Kalol, Dist: Gandhinagar, Gujarat, India**
The certificate is valid until:	**May 2024**

Only valid in conjunction with a valid certificate acc. to EN ISO 9001.

Essen, 2021-01-05

notified body TÜV NORD 0045 TÜV NORD Systems

Notified Body (0045)
for Pressure Equipment

Niekamp

TÜV NORD Systems GmbH & Co. KG,
Große Bahnstraße 31, D-22525 Hamburg

Annex: Scope of Approval

Conventional Power Plants
Langemarckstr. 20
45141 Essen

Phone 201-825-2722
Fax 201-825-2858
e-mail dniekamp@tuev-nord.de

Member of CEOC
CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

TÜV NORD Systems GmbH & Co. KG

Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / *Scope of Approval according to*

Hübinger

TÜV NORD Systems

☒ **Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / *Directive 2014/68/EU, Annex I, Point 4.3.*** **Zertifikat-Nr. / *Certificate No.:*** 07 202 1409 WZ 1680 21

☒ **AD 2000-Merkblatt W 0 / *AD 2000-Merkblatt W 0*** **Zertifikat-Nr. / *Certificate No.:*** 07 203 1409 WP 1680 21

Firma / *Company:* **Maxim Tubes Company Pvt. Ltd.** **Datum / *Date:*** 08.03.2022

Ort / *Location:* Survey No:105 & 106 , Nr. 66KV Sub Station ,pansar Road , Chhatral , District: Gandhinagar , Gujarat – 382 729, Gujarat, India

AZ / File No.: ISIPW-11/21
SAP-No.: 811- 883 3390

Nr. No.	Werkstoffbezeichnung *Material designation*	Spezifikation *Specification*	Lieferzustand* *Delivery cond.**	Erzeugnisform *Product type*	Abmessungen *Dimensions* Dicke *Thickness* mm]	Ø / Gewicht *Ø / Weight* [kg]	Prüfgrundlagen *Test specifications*	Bemerkungen *Remarks*
1.11	1.4301 , 1.4306 , 1.4307, 1.4401 , 1.4404 , 1.4571, 1.4541 , 1.4550	DIN EN 10216 -5	+AT	Stainless Steel Seamless Tubular	5.00 mm to 20.00 mm Hot Finish 0.50 mm to 12.7 mm Cold finish	65 mm OD to 135 mm OD Hot Finished 6.00 mm OD to 273 mm OD Cold Finished	Directive 2014/68/EU AD 2000 Merkblatt W2 AD 2000 Merkblatt W10	1)Certified According to PED annex I, sec.4.3 by the notified body of TÜV NORD Systems GmbH & Co.KG (Reg. no.0045) 2) >5.65 mm Thickness 3.2 Certification required as per AD 2000 Merkblatt W2.
2.11	1.4301 , 1.4306 , 1.4307 , 1.4401 , 1.4404 , 1.4571 , 1.4541 , 1.4550	DIN EN 10217-7	+AT	Stainless Steel Welded Tubular	0.50 mm to 5.00 Thickness	6.00 mm OD to 114.3 mm OD	Directive 2014/68/EU AD 2000 Merkblatt W2 AD 2000 Merkblatt W10	Approved WPS in acc. With VdTÜV-1151 MTCPL/WPS/EN/01 MTCPL/WPS/EN/02 MTCPL/WPS/EN/03
3.11	1.4462 , 1.4539	DIN EN 10216- 5	+AT	Stainless Steel Seamless Tubular	5.00 mm to 20.00 mm Hot Finish 0.50 mm to 12.7 mm Cold finish	65 mm OD to 135 mm OD Hot Finished 6.00 mm OD to 168.3 mm OD Cold Finished	Directive 2014/68/EU	Certified According to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems GmbH & Co.KG (Reg. no. 0045).
4.11	TP304, TP304L, TP316, TP316L, TP316Ti, TP321, TP347, TP317, TP317L, UNS N08904	A/SA-312	+AT	Stainless Steel Seamless Pipes	5.00 mm to 20.00 mm Hot Finished 1.24 mm to 12.7 mm Thickness Cold finished	65 mm OD to 135 mm Hot Finished 1/8 " NB to 10" NB Cold Finished		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary
4.12	TP304, TP304L, TP316, TP316L, TP316Ti, TP321 , TP347 , TP 317 , TP317L	A/SA-312	+AT	Stainless Steel Welded Pipes	1.24 mm to 6.02	1/8 " NB to 4" NB		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary

* +AT = Lösungsgeglüht / *solution annealed,* +N = normalgeglüht, normalisierend umgeformt / *normalized forming,* +U = unbehandelt / *untreated,* +NT = normalgeglüht und angelassen / *normalized and tempered,* +QT = vergütet / *quenched and tempered,* +M = thermomechanisch umgeformt / *thermo mechanical formed,* +AR = wie gewalzt / *as rolled,* +SR = spannungsarmgeglüht / *stress relieved,* +A = weichgeglüht / *soft annealed,* +CR = kaltgewalzt / *cold rolled*
(weitere Symbole / *other symbols:* EN 10027-1, Tab. 18)

TÜV NORD Systems GmbH & Co. KG

Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / *Scope of Approval according to*

Hübinger

☒ **Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / *Directive 2014/68/EU, Annex I, Point 4.3.*** **Zertifikat-Nr. / *Certificate No.:*** 07 202 1409 WZ 1680 21

☒ **AD 2000-Merkblatt W 0 / *AD 2000-Merkblatt W 0*** **Zertifikat-Nr. / *Certificate No.:*** 07 203 1409 WP 1680 21

Firma / *Company:* **Maxim Tubes Company Pvt. Ltd.** **Datum / *Date:*** 08.03.2022

Ort / *Location:* Survey No:105 & 106 , Nr. 66KV Sub Station ,pansar Road , Chhatral , District: Gandhinagar , Gujarat – 382 729, Gujarat, India

AZ / File No.: ISIPW-11/21
SAP-No.: 811 883 3390

Nr. No.	Werkstoffbezeichnung *Material designation*	Spezifikation *Specification*	Lieferzustand* *Delivery cond.**	Erzeugnisform *Product type*	Abmessungen *Dimensions* Dicke *Thickness* mm]	Ø / Gewicht *Ø / Weight* [kg]	Prüfgrundlagen *Test specifications*	Bemerkungen *Remarks*
4.13	TP304 , TP304L , TP316 , TP316 , TP316Ti , TP321 , TP347 , TP 317 , TP317L , UNS N08904	A/SA-213	+AT	Stainless Steel SeamlessTubes	0.50 mm to 5.00 Thickness For Cold Finished	6.00 mm OD to 101.6 mm OD Cold Finished		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary
4.14	TP304 , TP304L , TP316 , TP316L , TP321 , TP347 , TP317	A/SA-249	+AT	Stainless Steel Welded Tubes	0.50 mm to 5.00 Thickness	6.00 mm OD to 101.6 mm OD		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary
4.15	TP405 , TP410	A/SA-268	+AT	Stainless Steel Seamles Tubes	0.50 mm to 5.00 Thickness For Cold Finished	6.00 mm OD to 101.6 mm OD For Cold Finished		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary
4.16	TP304 , TP304L , TP316 , TP316L , TP317 , TP321 , TP347	A 269	+AT	Stainless Steel Seamless / Welded Tubes	0.50 mm to 5.00 Thickness For Cold Finished Seamless / Welded	6.00 mm OD to 101.6 mm OD Cold Finished Seamless /Welded		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary
4.17	UNS S31803, UNS S32205, UNS S32750 , UNS S32760	A / SA-789	+AT	Stainless Steel Seamless Tubes	0.70 mm to 5.00 mm Thickness For Cold Finished	6.00 mm OD to 50.8 mm OD Cold Finished		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary
4.18	UNS S31803, UNS S32205, UNS S32750 , UNS S32760	A / SA-790	+AT	Stainless Steel Seamless Pipes	1.24 mm to 12.7 mm Thickness For Cold Finished	1/8" NB to 10 " NB Cold Finished		If use in area of AD 2000 Merkblatt W0 or PED 2014/68/EU a Perticular Material Appresial (PMA) is necessary

* +AT = Lösungsgeglüht / *solution annealed,* +N = normalgeglüht, normalisierend umgeformt / *normalized forming,* +U = unbehandelt / *untreated,* +NT = normalgeglüht und angelassen / *normalized and tempered*, +QT = vergütet / *quenched and tempered,* +M = thermomechanisch umgeformt / *thermo mechanical formed*, +AR = wie gewalzt / *as rolled,* +SR = spannungsarmgeglüht / *stress relieved,* +A = weichgeglüht / *soft annealed,* +CR = kaltgewalzt / *cold rolled*
(weitere Symbole / *other symbols:* EN 10027-1, Tab. 18)