

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

**Liberty Ostrava a.s.
Plant 15 Tube plant
Vratimovská 689/117, Kunčice
719 00 OSTRAVA, CZ**

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/9190/WP/0807/21

File No.: 4318311/04

Production site: **Vratimovská 689/117, Kunčice, 719 00 OSTRAVA, CZ**

The scope of approval is available in the annex scope of approval.

The company fulfils the following essential requirements:

Facilities for appropriate manufacturing and testing, appropriate procedures for manufacturing of the products, qualified personnel for manufacturing and testing of the products and a quality management system with appropriate records, which ensures proper manufacture of the products, as well as compliance with the requirements specified in the material specification.

This certificate is valid until

10/2024



Digitally signed
by Vavra Josef
Date: 2021.11.02
10:45:10 +01'00'

Annex: scope of approval

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To verify the validity of the digital signature of the TÜV NORD Systems employee, the installation of the TÜV NORD GROUP root certificate is required: <https://www.tuev-nord.de/en/company/top-menu-links/customer-login/digital-signature/>

TÜV NORD Systems GmbH & Co. KG



Geltungsbereich als Anlage zum Zertifikat / Scope of Approval as annex to Certificate

X Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3. Zertifikat-Nr. / Certificate No.: 07/202/9190/WZ/0807/21
 X AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: 07/203/9190/WP/0807/21

Firma / Company:		Ort / Location:		AZ / File No.:		SAP-Nr.:		Datum / Date:	
Liberty Ostrava a.s., Plant 15 – Tube plant		Vratimovská 689/117, Kunčice 719 00 Ostrava, CZ		4319368/02		9190/WZ/0807/21 Erweit		11.11.21	
Nr.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Dicke Thickness [mm]		Ø / Gewicht Ø / Weight [mm] / [kg]	Prüfgrundlagen Test specifications	Bemerkungen Remarks
1	2	3	4	5	6	7	8	9	10
1 Werkstoffe nach harmonisierten Normen (2014/68/EU) / Materials according to harmonized standards (2014/68/EU)									
1.1	P195TR2 to P265TR2	DIN EN 10216-1	N	Seamless tubes	2,3-25	21,3-273	IC 3.1	In connection with the regulations within column 9, the materials meet the general mechanical and technological requirements of PED. The specific operation conditions have to be given by the pressure equipment manufacturer. If necessary, the involved notified body has give his agreement. 1) = valid for coil	
1.2	P195GH to P265GH 16Mo3 10CrMo5-5, 10CrMo9-10 13CrMo4-5 X11CrMo9-1+NT X11CrMo9-1+NT X11CrMo9-1+NT X11CrMo5+NT1, +NT2 X11CrMo5+NT1, +NT2	DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-2 DIN EN 10216-3 DIN EN 10216-3 DIN EN 10216-4 DIN EN 10217-1 DIN EN 10217-5 DIN EN 10217-5 DIN EN 10217-3 DIN EN 10217-3	N N N NT NT NT NT NT NT N N N ¹⁾ N ¹⁾ N ¹⁾ N ¹⁾	Seamless tubes Seamless tubes Seamless tubes Seamless tubes Seamless tubes Seamless tubes Seamless tubes Seamless tubes Seamless tubes Seamless tubes SAWH pipes SAWH pipes SAWH pipes SAWH pipes	2,3-25 2,3-25 2,3-25 2,3-25 6,3-25 4,5-12,7 14,2-25 4,5-25 9,27 2,3-25 2,3-25 2,3-25 2,3-25 2,3-25 5-16 5-16 5-16 8 5-16	21,3-273 21,3-273 21,3-273 21,3-273 139,7-273 88,9-273 88,9-273 60,3-82,5 273 21,3-273 21,3-273 21,3-273 21,3-273 21,3-273 324-1016 324-1016 324-1016 711 324-1016	IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.2 IC 3.2 IC 3.1 IC 3.2 IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.1 IC 3.2		
1.3	P275NL1, P275NL2 P355N, P355NH P355NL1, P355NL2 P215NL, P265NL	DIN EN 10216-3 DIN EN 10216-3 DIN EN 10216-3 DIN EN 10216-3	N N N N	Seamless tubes Seamless tubes Seamless tubes Seamless tubes	2,3-25 2,3-25 2,3-25 2,3-25	21,3-273 21,3-273 21,3-273 21,3-273	IC 3.1 IC 3.1 IC 3.1 IC 3.1		
1.4	P195TR2 bis P265TR2	DIN EN 10216-4	N	Seamless tubes	2,3-25	21,3-273	IC 3.1		
1.5	P235GH	DIN EN 10217-1	N ¹⁾	SAWH pipes	5-16	324-1016	IC 3.1		
1.6	P265GH	DIN EN 10217-5	N ¹⁾	SAWH pipes	5-16	324-1016	IC 3.1		
1.7	P355N, P355NH P355N, P355NH	DIN EN 10217-3 DIN EN 10217-3	N ¹⁾ N ¹⁾	SAWH pipes SAWH pipes	8 5-16	711 324-1016	IC 3.1 IC 3.2		

Erläuterung / Explanation:

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

Geltungsbereich als Anlage zum Zertifikat / Scope of Approval as annex to Certificate

X	Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3.	Zertifikat-Nr. / Certificate No.: 07/202/9190/WZ/0807/21
X	AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0	Zertifikat-Nr. / Certificate No.: 07/203/9190/WP/0807/21

Firma / Company:		Ort / Location:	AZ / File No.:	SAP-Nr.:	Datum / Date:			
Liberty Ostrava a.s., Plant 15 – Tube plant		Vratimovská 689/117, Kunčice 719 00 Ostrava, CZ	4319368/02	9190/WZ/0807/21 Erweit	11.11.21			
Nr.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Dicke Thickness [mm]	Ø / Gewicht [mm] / [kg]	Prüfgrundlagen Test specifications	Bemerkungen Remarks
1	2	3	4	5	6	7 / 8	9	10
2 Werkstoffe nach AD 2000/Materials according to AD 2000								
2.1	P195TR2 to P265TR2	DIN EN 10216-1	N	Seamless tubes	2,3-25	21,3-273	IC 3.1	Inspection certificate EN 10204-3.1. acc to AD2000-W4, table 1 a, note 2 and acc. to AD2000-W10, table 1, note 11 See letter of agreement, TÜV NORD file: 4320118/01 / 06.03.2020 1) = valid for coil Additional Remarks: The manufacturer fulfilled the requirements acc. to TRD 100
2.2	P195GH to P265GH 16Mo3	DIN EN 10216-2	N	Seamless tubes	2,3-25	21,3-273	IC 3.1	
	10CrMo5-5, 10CrMo9-10	DIN EN 10216-2	NT	Seamless tubes	2,3-25	21,3-273	IC 3.2 for AD2000-W4	
	13CrMo4-5	DIN EN 10216-2	NT	Seamless tubes	6,3-25	139,7-273	IC 3.2 for AD2000-W4	
2.3	P275NL1, P275NL2	DIN EN 10216-3	N	Seamless tubes	2,3-25	21,3-273	IC 3.1 for AD2000-W4, W10 VdTÜV Wbl. 352/2	
	P355N, P355NH	DIN EN 10216-3	N	Seamless tubes	2,3-25	21,3-273	IC 3.1 for AD2000-W4, VdTÜV Wbl. 354/2	
	P355NL1, P355NL2	DIN EN 10216-3	N	Seamless tubes	2,3-25	21,3-273	IC 3.2 for AD2000-W10 and VdTÜV Wbl. 354/2	
2.4	P215NL, P265NL	DIN EN 10216-4	N	Seamless tubes	2,3-25	21,3-273	IC 3.1 for AD2000-W4, W10	
2.5	P195TR2 bis P265TR2	DIN EN 10217-1	N ¹⁾	SAWH pipes	5-16	324-1016	IC 3.1	
2.6	P235GH P265GH	DIN EN 10217-5 DIN EN 10217-5	N ¹⁾ N ¹⁾	SAWH pipes SAWH pipes	5-16 5-16	324-1016 324-1016	IC 3.1 IC 3.1	

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- X** AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: 07/203/9190/WP/0807/21

Firma / Company:		AZ / File No.:		SAP-Nr.:		Datum / Date:		
Liberty Ostrava a.s., Plant 15 – Tube plant		4319368/02		9190/WZ/0807/21 Erweit		11.11.21		
Nr.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Dicke Thickness [mm]	Ø / Gewicht / Weight [mm] / [kg]	Prüfgrundlagen Test specifications	Bemerkungen Remarks
1	2	3	4	5	6	7 / 8	9	10
4	Werkstoffe nach anderen Standards, Technische Regeln / Materials according to other standards, technical rules							
4.1	S235JRH, S275J0H, S275J2H, S355J0H, S355J2H, S275NH, S275NLH, S355NH, S355NLH, S355K2H, S420NH, S420NLH, S460NH, S460NLH	DIN EN 10210-1,2 DIN EN 10210-1,2 DIN EN 10210-1,2 DIN EN 10210-1,2 DIN EN 10210-1,2	N N N N N	Seamless tubes Seamless tubes Seamless tubes Seamless tubes Seamless tubes	2,3-25 2,3-25 2,3-25 2,3-25 2,3-25	21,3-273 21,3-273 21,3-273 21,3-273 21,3-273	Regulation 305/2011/EU CE - mark	Certifies for constructions products with "CE- Marking" according to annex ZA of EN 10210-1 and EN 10219-1. Details of the certificate are published in the certificate of the Certification Body CPR of TÜV NORD Systems.
4.2	S235JRH, S275J0H, S275J2H, S355J0H, S355J2H	DIN EN 10219-1,2	N ¹⁾	SAWH pipes	5-16	324-1016	Regulation 305/2011/EU CE - mark	Certified for constructions products with "Ü - Zeichen" acc. to the German standard "Bauregelliste". Details of the certification are written in the certification documents of the "PÜZ-Body" of TÜV NORD Systems GmbH.
4.3	St 37.0, St 44.0, St 52.0	DIN 1629	N	Seamless tubes	2,3-25	21,3-273	BRL Ü - mark	

Erläuterung / Explanation:

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