ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Industrie Service

CERTIFICATE

The Notified Body - 0036 -
of TÜV SÜD Industrie Service GmbH

certifies that

Primus Pipe and Tube, Inc.
241 W. Clarke Street
Wildwood, FL 34785
USA

has implemented, operates and maintains a

Quality Assurance System in accordance with the
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3,
AD 2000-Merkblatt W 0 as well as EN 764-5, Para. 4.2

as a material manufacturer for the scope of

longitudinally welded stainless steel, nickel alloy and titanium pipe.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. IS-P-USA-17-01-153-001.

The manufacturer is therefore authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment Directive 2014/68/EU. Possible additional requirements - specific to applied technical specifications to meet PED Annex I - are not affected.

This certificate is valid through February 2020.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: DGR-0036-QS-W 350/2008/MUC
Munich, Rev. 1, August 23th, 2017

Notified Body, No. 0036

TÜV SÜD Industrie Service GmbH 00 36 Notified Body

(H. Müller)

Certification Body
Material and Welding Technology

EQ2734575

Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0

Anlage zum Zertifiat Nr. / Annex to certificate no.
DGR-0036-QS-W 350/2008/MUC von / dated 2017-08-23

Hersteller / Manufacturer:	Name:	Primus Pipe and Tube, Inc.		Nationalität:/ Country:	Datum:/ Date:	Blatt-Nr.:/ Page No.:	**Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment**
	Straße/Street:	241 W. Clarke Street					
	Ort/City:	Wildwood, FL 34785	Werk / plant:	**USA**	2017-08-23	1 v. / of 3	**Notifizierte Stelle, Nr. / Notified Body, No. 0036**

lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff-Spezifikation / Material Specification		Liefer-zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bemerkungen / Remarks
						Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1 = t 2 = kg				
		Art / Spec.	Nr. / No.	Kürzel / Code		von / from	bis / to	von / from	bis / to	↓	Wert value	Art / Spec.	Nr. / No.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	X2CrNi19-9 (1.4307)	EN DIN	10217-7 17457	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914			AD2000	W2 /W10	With Inspection Certificate 3.2 (EN 10204)
02	X5CrNi18-10 (1.4301)	EN DIN	10217-7 17457	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914			AD2000	W2 /W10	
03	X2CrNiMo17-12-2 (1.4404)	EN DIN	10217-7 17457	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914			AD2000	W2 /W10	
04	X2CrNiMo17-12-2 (1.4401)	EN DIN	10217-7 17457	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914			AD2000	W2 /W10	
05	X2CrNiMoN22-5-3 (1.4462)	EN DIN	10217-7 17457	A	Longitudinally welded austenitic steel pipes	3	13	12.7	914			AD2000	W2 /W10	With Inspection Certificate 3.2 (EN 10204)

Erklärung / Explanation: **A** = lösungsgeglüht und abgeschreckt / solution annealed and quenched **L** = lösungsgeglüht / solution annealed **N** = normalgeglüht / normalized **S** = spannungsarmgeglüht / stress relieved **TM** = thermomech. behandelt / thermo-mech. treated
U = ungeglüht / not annealed V = vergütet und angelassen / quenched and tempered **CR** = temperaturgeregelt warmumgeformt / controlled rolled **G** = weichgeglüht / annealed
a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 **b** = Lieferzustand in Spalte 10 / delivery condition in column 10 **c** = Prüfgegenstand in Spalte 10 / object in column 10 **d** = Abmessung gem. tech. Regeln / dimensions acc. to technical rules
e = Gewicht gem. tech. Regeln / weight acc. to technical rules **f** = Nr. der tech. Regeln in Spalte 10 / technical rules in column 10

Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifiat Nr. / Annex to certificate no. DGR-0036-QS-W 350/2008/MUC von / dated 2017-08-23

Hersteller / Manufacturer:	Name:	Primus Pipe and Tube, Inc.		Nationalität:/ Country:	Datum:/ Date:	Blatt-Nr.:/ Page No.:	**Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment**
	Straße/Street:	241 W. Clarke Street					
	Ort/City:	Wildwood, FL 34785	Werk / plant:	**USA**	2017-08-23	2 v. / of 3	**Notifizierte Stelle, Nr. / Notified Body, No. 0036**

lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff-Spezifikation / Material Specification		Liefer-zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bemerkungen / Remarks
						Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1 = t 2 = kg				
		Art / Spec.	Nr. / No.	Kürzel / Code		von / from	bis / to	von / from	bis / to	↓	Wert value	Art / Spec.	Nr. / No.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	X2CrNi18-9 (1.4307)	EN	10217-7	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914	-	-			
02	X5CrNi18-10 (1.4301)	EN	10217-7	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914	-	-			
03	X2CrNiMo17-12-2 (1.4404)	EN	10217-7	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914	-	-			
04	X5CrNiMo17-12-2 (1.4401)	EN	10217-7	A	Longitudinally welded austenitic steel pipes	1.8	25	19	914	-	-			
05	X2CrNiMoN22-5-3 (1.4462)	EN	10217-7	A	Longitudinally welded duplex steel pipes	3	13	12,7	914	-	-			
06	304 UNS30400 304L UNS30403 316 UNS31600 316L UNS 31603 317 UNS S31700 317L UNS S31703	ASTM ASME	A 312 SA 312	A	Longitudinally welded pipes	1.8	25	19	914	-	-			**For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed.** **The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge.**
07	2205 UNS32205 UNS31803	ASTM ASME	A790 SA790	A	Longitudinally welded pipes	3	13	19	914	-	-			
08	2101 UNS32101	ASTM	A790	A	Longitudinally welded pipes	1.8	18	19	914	-	-			
09	Grade 2 UNS R50400	ASTM ASME	B862 SB862	A	Longitudinally welded pipes	1.9	10	19	914	-	-			

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Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

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lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade		Werkstoff-Spezifikation / Material Specification		Liefer-zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bemerkungen / Remarks
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			Art / Spec.	Nr. / No.	Kürzel / Code		von / from	bis / to	von / from	bis / to	↓	Wert value	Art / Spec.	Nr. / No.	
1	2		3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
10	C276	UNS N10276	ASTM ASME	B619 SB619	A	Longitudinally welded pipes	1.8	11	19	914	-	-			**For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge.**
11	AL20	UNS08020	ASTM ASME	B463 SB463	A	Longitudinally welded pipes	1.8	11	19	914	-	-			

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