



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 Zertifikat Nr. / Annex to certificate no.**  
**DGR-0036-QS-W 784/2017/MUC-02 von / dated 2023-08-10**

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	Tsingtuo Group Co., Ltd. Wanwu Economic Development Zone Fu'an City, Fujian Province, 355006, P. R. China	Werk / plant: Fujian TsingTuo Nickel Industry Co.,Ltd. Fujian Dingxin Technology Co., Ltd. Fujian Dingxin Industrial Co., Ltd. Fujian Tsingtuo Industrial Co., Ltd.	Nationalität:/ Country: <b>CHN</b>	Datum:/ Date: Rev.0 2023-08-10	Blatt-Nr./: Page No.: 1 v. / of 2	<b>Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment</b> <b>Notifizierte Stelle, Nr. / Notified Body, No. 0036</b>
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Ifd. 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		Report No. / report no. 294368 vom / dated 2023-03-23
		Art / Spec. 3a	Nr. / No. 3b			Kürzel / Code 4	von / from 6a	bis / to 6b	von / from 7a	bis / to 7b	1 = t 2 = kg ↓ Wert value 8a	8b	Art / Spec. 9a	Nr. / No. 9b
01	1.4301, 1.4307, 1.4401, 1.4404, 1.4541, 1.4571, 1.4410, 1.4462	EN	10272	U	Continuous casting slab*1)	180	220			1	3	AD 2000	W0	*1) Slab size: (180~220)x(180~220)mm
02	1.4301, 1.4307, 1.4401, 1.4404, 1.4541	EN	10272	AT / AR*2)	Hot rolled wire rod, bar			5,5	130			AD 2000	W2/W10	*2) Verification of suitability according to AD 2000-Merkblatt W 0 for hot rolled condition
03	1.4571, 1.4410	EN	10272	AT / AR*2)	Hot rolled bar			65	130			AD 2000	W2/W10	
04	1.4462	EN TÜVV	10272 418	AT / AR*2)	Hot rolled bar			65	130			AD 2000	W2/W10	<b>Only with inspection certificate 3.2 and single expertise</b>
05	1.4301, 1.4307, 1.4401, 1.4404, 1.4541, 1.4462	EN	10028-7	U	Continuous casting slab*3)	180	220			1	25	AD 2000	W0	*3) Slab size: (180~220)x(700~1650)mm
06	1.4301, 1.4307, 1.4401, 1.4404	EN	10028-7	AT	Hot rolled coil, strip, plate	2	100					AD 2000	W2/W10	3.2 inspection certificate required if thickness > 30mm
07	1.4541	EN	10028-7	AT	Hot rolled coil, strip, plate	2	45					AD 2000	W2/W10	3.2 inspection certificate required if thickness > 30mm
08	1.4462	EN TÜVV	10028-7 418	AT	Hot rolled coil, strip, plate	2	50					AD 2000	W2/W10	<b>Only with inspection certificate 3.2 and single expertise</b>  General note: If thickness exceeds maximum thickness of the standard an individual expertise and 3.2 inspection is mandatory.

**Explanation:** AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempered N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed  
 QT = vergütet / quenched and tempered CR = Temperaturregelt warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled  
 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 = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10



**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 Zertifikat Nr. / Annex to certificate no.**  
**DGR-0036-QS-W 784/2017/MUC-02 von / dated 2023-08-10**

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	Tsingtuo Group Co., Ltd. Wanwu Economic Development Zone Fu'an City, Fujian Province, 355006, P. R. China	Werk / plant: Fujian TsingTuo Nickel Industry Co.,Ltd. Fujian Dingxin Technology Co., Ltd. Fujian Dingxin Industrial Co., Ltd. Fujian Tsingtuo Industrial Co., Ltd.	Nationalität:/ Country: <b>CHN</b>	Datum:/ Date: Rev.0 2023-08-10	Blatt-Nr./: Page No.: 2 v. / of 2	<b>Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment</b> <b>Notifizierte Stelle, Nr. / Notified Body, No. 0036</b>
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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		Bericht Nr. / report no. 294368 vom / dated 2023-03-23
		Art / Spec. 3a	Nr. / No. 3b			Kürzel / Code 4	Dicke / Thickness [mm] von / from 6a	bis / to 6b	Durchm. / Diameter [mm] von / from 7a	bis / to 7b	1 = t 2 = kg ↓ Wert value 8a	8b	Art / Spec. 9a	
01	1.4301, 1.4307, 1.4401, 1.4404, 1.4541, 1.4571, 1.4410, 1.4462	EN	10272	U	Continuous casting slab*1)	180	220			1	3			*1) Slab size:(180~220)×(180~220)mm *2) Slab size: (180~220)×(700~1650)mm
02	1.4301, 1.4307, 1.4401, 1.4404, 1.4541	EN	10272	AT / AR	Hot rolled wire rod, bar			5,5	130					*3) To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.
03	1.4571, 1.4410, 1.4462	EN	10272	AT / AR	Hot rolled bar			65	130					
04	1.4301, 1.4307, 1.4401, 1.4404, 1.4541, 1.4462	EN	10028-7	U	Continuous casting slab*2)	180	220							General note: If thickness exceeds maximum thickness of the standard an individual expertise and 3.2 inspection is mandatory.
05	1.4301, 1.4307, 1.4401, 1.4404	EN	10028-7	AT	Hot rolled coil, strip, plate	2	100							
06	1.4541	EN	10028-7	AT	Hot rolled coil, strip, plate	2	45							
07	1.4462	EN	10028-7	AT	Hot rolled coil, strip, plate	2	50							
08*3)	1.4301, 1.4307, 1.4401, 1.4404, 1.4541	EN	10088-3	AT / AR	Hot rolled wire rod, bar			5,5	90					
09*3)	1.4020	EN	10088-3	AT / AR	Hot rolled wire rod			5,5	7					
10*3)	304, 304L, 316, 316L, 321	ASME ASTM ASTM ASTM	SA479 A479 A276 A580	AT / AR	Hot rolled wire rod, bar			5,5	130					<b>Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich. / 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.</b>

**Explanation:** AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempererd N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed  
 QT = vergütet / quenched and tempered CR = Temperaturgeregelt warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled  
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 d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference 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 Zertifikat Nr. / Annex to certificate no.**  
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lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Condition  Kürzel / Code	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight  1 = t 2 = kg ↓ Wert value	Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. 294368 vom / dated 2023-03-23	
		Art / Spec. 3a	Nr. / No. 3b			von / from 6a	bis / to 6b	von / from 7a	bis / to 7b		Art / Spec. 9a	Nr. / No. 9b		
													Dicke / Thickness [mm]	Durchm. / Diameter [mm]
11*3)	316Ti, S32205, S32750	ASME ASTM	SA479 A479	AT / AR	Hot rolled bar			65	130					*1) Slab size:(180~220)×(180~220)mm *2) Slab size: (180~220)×(700~1650)mm
12*3)	304, 304L, 316, 316L	ASME ASTM	SA240 A240	AT	Hot rolled coil, strip, plate	2	100							*3) To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.
13*3)	321	ASME ASTM	SA240 A240	AT	Hot rolled coil, strip, plate	2	45							General note: If thickness exceeds maximum thickness of the standard an individual expertise and 3.2 inspection is mandatory.
14*3)	S32205	ASME ASTM	SA240 A240	AT	Hot rolled coil, strip, plate	2	50							
15	1.4420	EN	10028-7	AT	Hot rolled coil, strip	2	12							
16*3)	S31655	ASME ASTM	SA240 A240	AT	Hot rolled coil, strip	2	12							
17	1.4372	EN	10028-7	AT	Hot rolled coil, strip	2	6							
18*3)	S20100	ASME ASTM	SA240 A240	AT	Hot rolled coil, strip	2	6							

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