

Certificate

Quality management system for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 CHN/Q-02 0038.01

Name and address of the
certificate holder:

**Jiangsu Taibo Casting Co., Ltd.
Industry Zone, Yuanzhu Town,
Taixing City
225412 Jiangsu
P.R. China**

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, point 4.3, with regard to the materials as listed in the scope of approval.

Test basis:

**QM System acc. to EN 764-5, Clause 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

01 202 CHN/Q-02 0038

Scope:

**Manufacturing of castings, see annex to certificate:
01 202 CHN/Q-02 0038, revision 4 from 10.10.2024**

Manufacturing plant:

see certificate holder

Validity:

This certificate is valid to 2026-05-31.

Cologne, 2024-10-31

Ines Krüger-Führ



TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Cologne

E-108a

Zertifikat

Qualitätsmanagement-System für Werkstoffhersteller nach Richtlinie 2014/68/EU

Zertifikatsnummer: 01 202 CHN/Q-02 0038.01

Name und Anschrift des
Zertifikatsinhaber:

Jiangsu Taibo Casting Co., Ltd.
Industry Zone, Yuanzhu Town,
Taixing City
225412 Jiangsu
P.R. China

Hiermit wird bescheinigt, dass der Hersteller ein QM-System eingeführt hat und anwendet. Dieses wurde gemäß der Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 in Bezug auf die im Geltungsbereich genannten Werkstoffe einer spezifischen Überprüfung unterzogen.

Prüfgrundlage:

**QM-System nach EN 764-5, Abschnitt 4.2 und
AD 2000-Merkblatt W0**

Prüfbericht Nr.:

01 202 CHN/Q-02 0038

Geltungsbereich:

**Herstellung von Gußteilen, siehe Anlage zum Zertifikat:
01 202 CHN/Q-02 0038, Revision 4 vom 10.10.2024**

Fertigungsstätte:

siehe Zertifikatsinhaber

Gültigkeit:

Dieses Zertifikat ist gültig bis 31.05.2026.

Köln, 31.10.2024

Ines Krüger-Führ



TÜV Rheinland Industrie Service GmbH
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035
Am Grauen Stein, D-51105 Köln

E-108a

Scope:		☒ Directive 2014/68/EU Annex I point 4.3				☐ EN 764-4				☐ AD 2000-Merkblatt W 0			
Certificate holder (Manufacturer of materials)				Manufacturing plant				Nationality		Page No.:		1	
Company Name:		Jiangsu Taibo Casting Co., Ltd.				Industry Zone, Yuanzhu Town				P.R.China		of : 4	
Location:		Industry Zone, Yuanzhu Town, Taixing City, Jiangsu Province, P. R. China 225412				Taixing City, Jiangsu Province P. R.China 225412						Date: 20.09.2024	
												Rev.: 4	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks		
					Thick- ness mm	Ø mm							
					from	Up to	from	Up to					
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU													
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.													
1	1.0619	EN10213	+N	Valve Parts and/or Machining Parts	-	25	-	300	2	260	EN10213	Investment Casting	
2	1.4308, 1.4408, 1.4409	EN10213	+AT	Valve Parts and/or Machining Parts	-	25	-	300	2	260	EN10213	Investment Casting	
3	1.0619	EN10213	+N	Valve Parts and/or Machining Parts	-	80	-	1000	2	1500	EN10213	Sand Casting	
4	1.4308, 1.4408, 1.4409	EN10213	+AT	Valve Parts and/or Machining Parts	-	80	-	1000	2	1500	EN10213	Sand Casting	



Remarks	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed	+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary
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Scope:		☒ Directive 2014/68/EU Annex I point 4.3				☐ EN 764-4				☒ AD 2000-Merkblatt W 0			
Certificate holder (Manufacturer of materials)				Manufacturing plant				Nationality		Page No.:		2	
Company Name:		Jiangsu Taibo Casting Co., Ltd.		Industry Zone, Yuanzhu Town				P.R.China		of :		4	
Location:		Industry Zone, Yuanzhu Town, Taixing City, Jiangsu Province, P. R. China 225412		Taixing City, Jiangsu Province P. R.China 225412						Date:		20.09.2024	
										Rev.:		4	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks	
					Thick- ness mm	Ø mm		1=t / 2=kg					
					from	Up to	from	Up to	↓	result			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
2. Materials according to the AD 2000-Code													
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.													
1	1.0619	EN10213	+N	Valve Parts and/or Machining Parts	-	25	-	300	2	260	AD 2000-W5	Investment Casting	
2	1.4308, 1.4408, 1.4409	EN10213	+AT	Valve Parts and/or Machining Parts	-	25	-	300	2	260	AD 2000-W5	Investment Casting	
3	1.0619	EN10213	+N	Valve Parts and/or Machining Parts	-	80	-	1000	2	1500	AD 2000-W5	Sand Casting	
4	1.4308, 1.4408, 1.4409	EN10213	+AT	Valve Parts and/or Machining Parts	-	80	-	1000	2	1500	AD 2000-W5	Sand Casting	



Remarks	+AT	= solution annealed	+NT	= normalized and tempered	a	= PMA for the use in pressure equipment
	+AR	= as rolled	+QT	= quenched and tempered		in Directive 2014/68/EU necessary
	+M	= thermo mechanical treated	+S	= soft annealed		
	+N	= normalized or normalizing formed	+SR	= stress relieved		

Scope:		☒ Directive 2014/68/EU Annex I point 4.3				☐ EN 764-4				☐ AD 2000-Merkblatt W 0			
Certificate holder (Manufacturer of materials)				Manufacturing plant				Nationality		Page No.:		3	
Company Name:		Jiangsu Taibo Casting Co., Ltd.		Industry Zone, Yuanzhu Town		P.R.China		of :		4		TÜV Rheinland Industrie Service GmbH	
Location:		Industry Zone, Yuanzhu Town, Taixing City, Jiangsu Province, P. R. China 225412		Taixing City, Jiangsu Province P. R.China 225412		Date:		20.09.2024					
						Rev.:		4					
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks	
					Thick- ness mm	Ø mm		1=t / 2=kg					
					from	Up to	from	Up to	↓	result			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
3. Materials according to other standards													
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.													
1	WCB	ASTM A216	+N or QT	Valve Parts and/or Machining Parts	-	25	-	300	2	260	ASTM A216	The production process is Investment Casting. PMA for the use in pressure equipment in Directive 2014/68/EU necessary 	
2	CF3M, CF8, CF8M	ASTM A351	+AT		-	25	-	300	2	260	ASTM A351		
3	LCB, LCC	ASTM A352	+QT		-	25	-	300	2	260	ASTM A352		
4	WC6, WC9, C12	ASTM A217	+NT		-	25	-	300	2	260	ASTM A217		
5	1B (CD4MCuN) 4A(CD3MN), 5A(CE3MN)	ASTM A890	+AT		-	25	-	300	2	260	ASTM A890		
6	M35-1, M35-2, M30C	ASTM A494	As cast		-	25	-	300	2	260	ASTM A494		
7	CX2MW, CW12MW, CW2M N7M, CW6M, CX2M	ASTM A494	+AT		-	25	-	300	2	260	ASTM A494		
8	CA6NM	ASTM A743	+NT		-	25	-	300	2	260	ASTM A743		

Remarks	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed	+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary
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Scope:		☒ Directive 2014/68/EU Annex I point 4.3				☐ EN 764-4				☐ AD 2000-Merkblatt W 0			
Certificate holder (Manufacturer of materials)				Manufacturing plant				Nationality		Page No.:		4	
Company Name:		Jiangsu Taibo Casting Co., Ltd.				Industry Zone, Yuanzhu Town				P.R.China		of : 4	
Location:		Industry Zone, Yuanzhu Town, Taixing City, Jiangsu Province, P. R. China 225412				Taixing City, Jiangsu Province P. R.China 225412						TÜV Rheinland Industrie Service GmbH	
						Date: 20.09.2024							
						Rev.: 4							
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks	
					Thick- ness mm		Ø mm		1=t / 2=kg				
					from	Up to	from	Up to	↓	result			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
3. Materials according to other standards The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.													
1	WCB	ASTM A216	+N or QT	Valve Parts and/or Machining Parts	-	80	-	1000	2	1000	ASTM A216	The production process is Sand Casting. PMA for the use in pressure equipment in Directive 2014/68/EU necessary 	
2	CF3M, CF8, CF8M	ASTM A351	+AT		-	80	-	1000	2	1000	ASTM A351		
3	LCB, LCC	ASTM A352	+QT		-	80	-	1000	2	1000	ASTM A352		
4	WC6, WC9, C12	ASTM A217	+NT		-	80	-	1000	2	1000	ASTM A217		
5	1B (CD4MCuN) 4A(CD3MN), 5A(CE3MN)	ASTM A890	+AT		-	80	-	1000	2	1000	ASTM A890		
6	M35-1, M35-2, M30C	ASTM A494	As cast		-	80	-	1000	2	1000	ASTM A494		
7	CX2MW, CW12MW, CW2M N7M, CW6M, CX2M	ASTM A494	+AT		-	80	-	1000	2	1000	ASTM A494		
8	CA6NM	ASTM A743	+NT		-	80	-	1000	2	1000	ASTM A743		

Remarks	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed	+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary
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