

Certificate

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

Certificate no.: 01 202 CHN/Q-04 0135

Name and address of the certificate holder: **Shanxi Taigang Stainless Steel Co., Ltd.
No.2 Jiancaoping Street,
Taiyuan City,
030003 Shanxi Province
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, Par. 4.3, with regard to the materials as listed in the scope of approval.

Test basis: **QM System acc. to EN 764-5, article 4.2 and AD 2000-Merkblatt W0**

Audit report no.: 01 202 CHN/Q-04 0135

Scope: **Manufacturing of Stainless steel and Carbon steel plates, sheets and strips; Manufacturing of steel bars, see annex (Rev.: 5, 2022-03-31) to certificate**

Manufacturing plant: see annex 2

Validity: **This certificate is valid until 2025-05-27.**

Cologne, 2022-05-07

Dipl.-Ing. (FH) Vera Ruff



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-04 0135

Name und Anschrift des
Zertifikatsinhaber: **Shanxi Taigang Stainless Steel Co., Ltd.
No.2 Jiancaoping Street,
Taiyuan City,
030003 Shanxi Province
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, Kap 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-04 0135

Geltungsbereich: **Herstellung von Blechen und Baendern aus nichtrostendem Stahl
und Kohlenstoffstahl; Herstellung von Stahlbarren,
siehe Anlage (Rev.: 5, 31.03.2022) zum Zertifikat**

Fertigungsstätte: siehe Anlage 2

Gültigkeit: **Dieses Zertifikat ist gültig bis 27.05.2025.**

Köln, 07.05.2022


Dipl.-Ing. (FH) Vera Ruff



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

E-108a

Annex 2

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

Certificate no.: 01 202 CHN/Q-04 0135


Name and address of the certificate holder: **Shanxi Taigang Stainless Steel Co., Ltd.
No.2 Jiancaoping Street,
Taiyuan City,
030003 Shanxi Province
P.R. China**

Manufacturing plants: Shanxi Taigang Stainless Steel Co., Ltd.
No.2 Jiancaoping Street,
Taiyuan City,
030003 Shanxi Province
P.R. China

Linfen Branch of Shanxi TISCO
Stainless Steel CO.,Ltd
No.3 Qiaodong Street,
Linfen City,
041000 Shanxi Province
P.R. China

Shanxi Taiyuan Stainless Steel
Precision Strip Co.,Ltd
No.2, Central North Street, Shanxi Demonstration
Zone, Taiyuan City,
030006 Shanxi Province
P.R. China

Cologne, 2022-05-07


Dipl.-Ing. (FH) Vera Ruff



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

E-999

Anlage 2

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

Zertifikatsnummer: 01 202 CHN/Q-04 0135


Name und Anschrift des
Zertifikatsinhaber: **Shanxi Taigang Stainless Steel Co., Ltd.
No.2 Jiancaoping Street,
Taiyuan City,
030003 Shanxi Province
P.R. China**

Fertigungsstätten: Shanxi Taigang Stainless Steel Co., Ltd.
No.2 Jiancaoping Street,
Taiyuan City,
030003 Shanxi Province
P.R. China

Linfen Branch of Shanxi TISCO
Stainless Steel CO.,Ltd
No.3 Qiaodong Street,
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Shanxi Taiyuan Stainless Steel
Precision Strip Co.,Ltd
No.2, Central North Street, Shanxi Demonstration
Zone, Taiyuan City,
030006 Shanxi Province
P.R. China


Köln, 07.05.2022


Dipl.-Ing. (FH) Vera Ruff



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


E-999

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Shanxi Taigang Stainless Steel Co., Ltd. Location: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China			Plant 1: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China Plant 2: No.3 Qiaodong Street, Linfen City, Shanxi Province, 041000, P. R. China		China	March 31 2022 Rev.:5	1 of : 10	TÜV Rheinland Industrie Service GmbH				
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick-ness mm	∅ mm	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	1.4362, 1.4401, 1.4404, 1.4462, 1.4571, 1.4438, 1.4541, 1.4550, 1.4311, 1.4948	EN 10028-7	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8					EN 10028-7	Product shall be according to the requirement of the order If the thickness exceed the scope of EN 10028-7 for Cur. 1 and 2
2	1.4301 ,1.4306,1.4307	EN10028-7	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	2 0.3	100 8					EN 10028-7	
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						

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Shanxi Taigang Stainless Steel Precision Strip Co., Ltd. Location: No.2, Central North Street, Shanxi Demonstration Zone, Taiyuan City, Shanxi Province ,030006, P.R. China			Same as left		China	March 31 2022 Rev.:5	2 of : 10	TÜV Rheinland Industrie Service GmbH				
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick- ness mm	∅ mm	from	Up to				from
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												
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3	1.4301,1.4307,1.4401, 1.4404	EN10028-7	+AT/+AR	Cold rolled strip	0.05	0.8					EN 10028-7	
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						

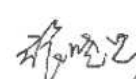
Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Shanxi Taigang Stainless Steel Co., Ltd. Location: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China			Plant 1: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China Plant 2: No.3 Qiaodong Street, Linfen City, Shanxi Province, 041000, P. R. China		China	March 31 2022 Rev.:5	3 of : 10	TÜV Rheinland Industrie Service GmbH				
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick-ness mm	Ø mm	from	Up to				
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.												
4	1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4571, 1.4438, 1.4541, 1.4550, 1.4311	EN10028-7	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8					AD 2000-W2/W10	Product shall be according to the requirement of the order If the thickness exceed the scope of EN 10028-7 for Cur. 4,5 and 6
5	1.4948	EN10028-7	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8					AD 2000-W2	
6	1.4301 , 1.4306, 1.4307	EN10028-7	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	2 0.3	100 8					AD 2000-W2/W10	
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				



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Shanxi Taigang Stainless Steel Precision Strip Co., Ltd. Location: No.2, Central North Street, Shanxi Demonstration Zone, Taiyuan City, Shanxi Province ,030006, P.R. China			Same as left		China	March 31 2022 Rev.:5	4 of : 10	TÜV Rheinland Industrie Service GmbH				
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 ↓ res ult
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	
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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.												
7	1.4301,1.4307,1.4401, 1.4404	EN10028-7	+AT/+AR	Cold rolled strip	0.05	0.8					AD 2000-W2/W10	
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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1	2	3	4	5	6a	6b	7a	7b	8a	8b	9
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8	304L, 305, 310S, 316, 316L, 316Ti, 317, 317L, 321, 347, 304H	ASME SA240 / ASTM A240	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8					ASME SA240 / ASTM A240 a
9	405, 430, 409, 410S, 410	ASME SA240 / ASTM A240	+S	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8					ASME SA240 / ASTM A240 a
10	301, 302, 304	ASME SA240 / ASTM A240	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	2 0.3	100 8					ASME SA240 / ASTM A240 a
Results		+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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Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
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11	Gr.60, Gr.65, Gr.70	ASME SA516 / ASTM A516	+N	Hot rolled Plates	6	40					ASME SA516 / ASTM A516	a
12	Gr.11, Gr.12, Gr.22, Gr.91	ASME SA387 / ASTM A387	+N	Hot rolled Plates	6	40					ASME SA387 / ASTM A387	a
13	S32101, S31803, S32205, S32304 S32750	ASME SA240 / ASTM A240	+AT	Hot rolled Plates	6	65					ASME SA240 / ASTM A240	a
14	S41500	ASME SA240 / ASTM A240	+AT	Hot rolled Plates	10	120					ASME SA240 / ASTM A240	a 
Results	+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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Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
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15	Gr.G	ASME SA414 / ASTM A414	+AR	Sheets, strips Hot rolled	2	6					ASME SA414 / ASTM A414	a
16	SUS301, SUS302, SUS304, SUS304L, SUS305, SUS310S, SUS316, SUS316L, SUS316Ti, SUS317, SUS317L, SUS321, SUS347	JIS G4304 JIS G4305	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8					JIS G4304 JIS G4305	a
17	SUS403, SUS405, SUS430, SUS410S, SUS410, SUS420J1	JIS G4304 JIS G4305	+S	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8					JIS G4304 JIS G4305	a
Results	+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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Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks
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1	2	3	4	5	6a	6b	7a	7b	8a	8b	9
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18	SUH409L	JIS G4312	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	10 8					JIS G4312 a
19	4130,4140	ASTM A322	+AR	Hot-forged bar Round Squares	120X120	160X160	100	250			ASTM A322 a If dimension exceed the scope, pls. refer to item 1.2 acc. to ASTM A29
20	4130,4140	ASTM A322	+AR	Hot-rolled bar Squares Round-Cornered Squares	120X120 120X120	160X160 200X200					ASTM A322 a If dimension exceed the scope, pls. refer to item 1.2 acc. to ASTM A29
Results		+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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					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
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21	304,316L	ASTM A276	+AT	Hot-forged bar Round Squares	120X120	360X360	100	360			ASTM A276	a
22	304,316L	ASTM A276	+AT	Hot-rolled bar Squares	150X150	550X550					ASTM A276	a
23	410	ASTM A276	+S	Hot-forged bar Round Squares Rectangular	120X120 (100~350)X (100~350)	360X360 (100~350)X (100~350)	100	360			ASTM A276	a
Results		+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						

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input type="checkbox"/> EN 764-4				<input checked="" type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)		
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Shanxi Taigang Stainless Steel Co., Ltd. Location: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China				Plant 1: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China Plant 2: No.3 Qiaodong Street, Linfen City, Shanxi Province, 041000, P. R. China				China	March 31 2022 Rev.:5	10 of : 10	TÜV Rheinland Industrie Service GmbH	
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	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	
3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
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.												
24	410	ASTM A276	+S	Hot-forged bar Squares	150X150	550X550					ASTM A276	a
Results		+AT = solution annealed		+NT = normalized and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						
		+AR = as rolled		+QT = quenched and tempered								
		+M = thermo mechanical treated		+S = soft annealed								
		+N = normalized or normalizing formed		+SR = stress relieved								

