## Certificate

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

Certificate no.: 01 202 CHN/Q-04 0135.00

certificate holder:

Name and address of the Shanxi Taigang Stainless Steel Co., Ltd.

No.2 Jiancaoping Street,

Taiyuan City, 030003 Shanxi 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

nlang

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-04 0135

Manufacturing of Stainless steel and Carbon steel plates, Scope:

sheets and strips; Manufacturing of steel bars, see annex to certificate: 01 202 CHN/Q-04 0135,

revision 06 from 2023-06-30

Manufacturing plant: see annex 2

Validity: This certificate is valid to 2025-05-27.

Cologne, 2023-10-26

Ines Krüger-Führ

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



## Zertifikat

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

Zertifikatsnummer: 01 202 CHN/Q-04 0135.00

Name und Anschrift des Zertifikatsinhaber:

Shanxi Taigang Stainless Steel Co., Ltd.

No.2 Jiancaoping Street,

Taiyuan City, 030003 Shanxi 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-04 0135

Geltungsbereich: Herstellung von Blechen und Baendern aus

nichtrostendem Stahl und Kohlenstoffstahl;

Herstellung von Stahlbarren,

siehe Anlage zum Zertifikat: 01 202 CHN/Q-04 0135,

Revision 06 vom 2023-06-30

Fertigungsstätte: siehe Anlage 2

Gültigkeit: Dieses Zertifikat ist gültig bis 27.05.2025.

Köln, 26.10.2023



TUV 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 0135.00

certificate holder:

Name and address of the Shanxi Taigang Stainless Steel Co., Ltd.

No.2 Jiancaoping Street,

Taiyuan City,

030003 Shanxi, P.R. China

Manufacturing plants:

Shanxi Taigang Stainless Steel

Co., Ltd.

No.2 Jiancaoping Street, Taiyuan City, 030003 Shanxi, P.R. China

Linfen Branch of Shanxi TISCO Stainless Steel CO., Ltd

No.3 Qiaodong Street,

Linfen City,

041000 Shanxi, P.R. China

Shanxi Taiyuan Stainless Steel Precision Strip Co.,Ltd No.2, Central North Street, Shanxi Demonstration Zone,

Taiyuan City,

030006 Shanxi, P.R. China

Cologne, 2023-10-26

Ines Krüger-Führ

TUV 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 0135.00

Name und Anschrift des

Zertifikatsinhaber:

Shanxi Taigang Stainless Steel Co., Ltd.

No.2 Jiancaoping Street,

Taiyuan City,

030003 Shanxi, P.R. China

Fertigungsstätten: Shanxi Taigang Stainless Steel Co., Ltd.

No.2 Jiancaoping Street, Taiyuan City,

030003 Shanxi, P.R. China

Linfen Branch of Shanxi TISCO Stainless Steel CO., Ltd

No.3 Qiaodong Street, Linfen City,

041000 Shanxi, P.R. China

Shanxi Taiyuan Stainless Steel Precision Strip Co.,Ltd No.2, Central North Street, Shanxi Demonstration Zone,

Taiyuan City,

030006 Shanxi, P.R. China

Köln, 26.10.2023

Ines Krüger-Führ

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

> **TÜV**Rheinland® Genau. Richtig.



Sco	pe:	☐ Directive 20	014/68/EU Annex	I point 4	.3		□ Ei	N 76	4-4			☐ AD 2000	0-Merkblatt W	/ 0
	Certificate	e holder (Manufac	cturer of materials)		Man	ufactur	ing plar	nt		1	Nationality	Page No.:	1	
Com	pany Name:	Shanxi Taigang S	Stainless Steel Co., Lt	d.	Plant 1: No.2 Jiar	ncaopin	g Stree	et, Tai	iyuan			of :	10	TÜV Rheinland
Loca	•	No.2 Jiancaoping	Street, Taiyuan City,	Shanxi	City, Shanxi Prov	ince, 0	30003,	P.R.	China		China	Date:	Jun 30, 2023	Industrie Service
		Province, 030003			Plant 2: No.3 Qia						•	Rev.:	6	GmbH
				1	Shanxi Province,	04100	0, P. R.	Chin	a		,	NOV		Ombri
Cur	Materia		Material	Delivery	Article		Dimens	sions			Veight	Technical		ARhein
-	Materia	ais-ino.	Specification	Cond.	Type of Product	Thick	-ness		Ø			Specifications Requirements	/ Alanh	MARANA
						m			nm	1=	t / 2=kg	Technical	(Journey	The state of
								1		<u> </u>		Regulations		12700
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							to	m	to					Remarks
1	2	2	3	4	5	6a	6b	7a	7b	8a	8b	9		10
1. N	1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU													
partic	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 ricular 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 eapplicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.													
				T	1=					1				
	1.4362, 1.4401,				Plates, sheets, and Strips:									
1	1.4571, 1.4438,		EN 10028-7	+AT	Hot rolled	3	100	/	/	/	1	EN 10028-7	Product shall b	be according to the
	1.4311,	1.4948			Cold rolled	0.3	8						requirement of	the order If the
					Plates, sheets,									eed the scope of EN
2	1.4301 ,1.43	306,1.4307	EN10028-7	+AT	and Strips: Hot rolled	2	100	/	/	/	1	EN 10028-7	10028-7 for Ci	ur. 1 and 2
					Cold rolled	0.3	8							
										•				

<u>Remarks</u>	+AT	= solution annealed	+NT	=	normalized and tempered	а	= PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered		in Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed		
	+N	= normalized or normalizing formed	+SR	=	stress relieved		
			+H	=	solution annealed and aging treatment		



Sco	pe:	☑ Directive 20	014/68/EU Annex	I point 4.	3		☐ E	N 76	4-4			☐ AD 2000	0-Merkblatt V	<b>/</b> 0
	Certifica	te holder (Manufac	cturer of materials)		Manuf	acturino	g plant			Na	tionality	Page No.:	2	
Com	pany Name:	Shanxi Taigang S	Stainless Steel Co., Lt	d.	Shanxi Taigang S Precision Strip C		s Steel					of :	10	TÜV Rheinland
Loca	tion:		Street, Taiyuan City,	Shanxi	No.2, Central No					(	China	Date:	Jun 30, 2023	Industrie Service
		Province, 030003	s, P.R. China		Demonstration Zo Shanxi Province				a			Rev.:	6	GmbH
Cur								Technical	!	Remarks				
-	Materi	ais-ivo.	Cond.	Type of Product	Thick	-ness		Ø		max	Specifications Requirements	117	VRhein	
					m			nm	1=1	: / 2=kg	Technical	1 1/and	Wexaring	
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1		2	3	4	5	6a	6b	7a	7b	8a	8b	9		10
1. M	laterials acco	rding to harm	onized European	standar	ds (hEN) and	Europ	ean A	۹ppr	oval	for I	Materia	ls (EAM) acc.	Directive 20	)14/68/EU
partic	cular material appr	aisal. With that the	ctive 2014/68/EU is bou manufacturing reliabil nust be observed for t	ity for equiv	alent material grad	es acco	rding to	othe						proval or to the proval or to the province of
											, ,		1	
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	+NT	=	normalized and tempered	а	= PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered		in Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed		
	+N	= normalized or normalizing formed	+SR	=	stress relieved		
			+H	=	solution annealed and aging treatment		



Sco	pe:	Directive 20	014/68/EU Annex	I point 4	3			N 76	4-4			⊠ AD 2000	O-Merkblatt V	/ 0	
	Certifica	te holder (Manufac	turer of materials)		Man	ufactur	ing pla	ant		1	Nationality	Page No.:	3		
Com	pany Name:	Shanxi Taigang S	tainless Steel Co., Lt	d.	Plant 1: No.2 Jiai							of:	10	TÜV Rheinland	
Loca	tion:		Street, Taiyuan City,	Shanxi	City, Shanxi Prov						China	Date:	Jun 30, 2023	Industrie Service	
Province, 030003, P.R. China Plant 2: No. Shanxi Prov  Cur Materials-term Material Delivery Article												Rev.:	6	GmbH	
Cur	Cur Materials-term Material Delivery Article - Materials-No. Specification Cond. Type of Pro						Dime	nsions			Veight	Technical	F	Remarks	
-	Materials-No. Specification Cond. Type of Produc						ness	0	Ø			Specifications Requirements	117	VRheinio	
						mı			ım	1=	t / 2=kg	Technical	Wang Magang		
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1		2	3	4	5	6a	6b	7a	7b	8a	8b	9		10	
2 M		∠ rding to the Al	•	4	5	оа	ao	7a	70	ва	db	9		10	
mate	rial appraisal. With	that the manufactu	R 2014/68/EU is bound iring reliability for equ be observed for the u	ivalent mate	erial grades accordi	ng to o	ther st	andard						val or to the particular and limits of the	
1	1.4404, 1.4571,	1.4307, 1.4401, 1.4438, 1.4541, , 1.4311	EN10028-7	+AT	Plates, sheets, and Strips: Hot rolled Cold rolled	3 0.3	100	1	1	/	1	AD 2000- W2/W10			
2	1.4	948	EN10028-7	+AT	Plates, sheets, and Strips: Hot rolled Cold rolled	3 0.3	100 8	/	/	/	/	AD 2000-W2	requirement of	the according to the the order If the ed the scope of EN ir. 1, 2 and 3	
3	1.4301 ,1.4	1.4306,1.4307 EN10028-7 +AT Plates, shee and Strips: Hot rolled Cold rolled				2 0.3	100 8	/	1	/	1	AD 2000- W2/W10			
							-								

<u>Remarks</u>	+AT	= solution annealed	+NT	=	normalized and tempered	а	=	PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered			in Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed			
	+N	= normalized or normalizing formed	+SR	=	stress relieved			
			+H	=	solution annealed and aging treatment			



												1				
Sco	pe:	☐ Directive 2	014/68/EU Annex	I point 4.	3			EN 76	4-4			⊠ AD 2000	)-Merkblatt V	<i>V</i> 0		
	Certifica	te holder (Manufac	cturer of materials)		Man	ufactur	ing pla	ant		١	lationality	Page No.:	4			
Com	pany Name:	Shanxi Taigang S	Stainless Steel Co., Lt	d.	Shanxi Taigang S	Stainles	s Ste	el Pred	ision			of:	10	TÜV Rheinland		
Loca	tion:		Street, Taiyuan City,	Shanxi	Strip Co., Ltd.						China	Date:	Jun 30, 2023	Industrie Service		
		Province, 030003	3, P.R. China		No.2, Central No. Demonstration Zon Province ,030006	one, Ta	iiyuan	City, S	Shanxi			Rev.:	6	GmbH		
Cur	Materia	als-term	Material	Delivery	Article		Dime	nsions		V	/eight	Technical	Specifications			
-	Materi	Materials-No. Specification Cond. Ty				<b>-</b>		Ī				Specifications		ARhein		
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						mı	П	"	ım	1-1	: / 2=kg	Regulations	Mound	July and		
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							to		to					Strial Serus		
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2. N	laterials acco	rding to the A	D 2000-Code													
mate	rial appraisal. With	that the manufacti	uring reliability for equ	ivalent mate	erial grades accordi	ng to o	ther st	andard						oval or to the particular and limits of the		
4	plicable code respectively the PED must be observed for the use of r				Cold rolled strip	0.05	0.8	1	/	1	/	AD 2000- W2/W10				

<u>Remarks</u>	+AT	= solution annealed	+NT	=	normalized and tempered	а	= PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered		in Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed		
	+N	= normalized or normalizing formed	+SR	=	stress relieved		
		-	+H	=	solution annealed and aging treatment		



Sco	pe:	☑ Directive 20	014/68/EU Annex	I point 4	.3		□ EI	N 76	4-4			☐ AD 2000	0-Merkblatt W	<i>I</i> 0	
	Certifica	te holder (Manufac	turer of materials)		Man	ufactur	ing plar	nt		1	Nationality	Page No.:	5		
	npany Name: ation:		Stainless Steel Co., Ltd Street, Taiyuan City, , P.R. China		Plant 1: No.2 Jiar City, Shanxi Prov Plant 2: No.3 Qia Shanxi Province,	vince, 0: aodong	30003, Street,	P.R. (	Ćhina n City,		China	of : Date: Rev.:	10 Jun 30, 2023 6	TÜV Rheinland Industrie Service GmbH	
Cur -		als-term ials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dimens -ness im	, , , , , , , , , , , , , , , , , , ,	Ø mm			Technical Specifications Requirements Technical Regulations			
				l		from	Up to	fro m	Up to	₩	result			Strial Security	
1		2 ording to other	3	4	5	6a	6b	7a	7b	8a	8b	9		10	
mate	rial appraisal. With	h that the manufactu	R 2014/68/EU is bound to a common to the com	ivalent mate	erial grades accordi	ing to of	ther sta							val or to the particular and limits of the	
1		10S, 316, 316L, L, 321, 347, 304H	ASME SA240 / ASTM A240	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8	/	/	/	1 4	ASME SA240 / ASTM A240		а	
2	405, 430, 40	09, 410S, 410	ASME SA240 / ASTM A240	+\$	Plates, sheets, and Strips Hot rolled Cold rolled	3 0.3	100 8	/	/	/	, ,	ASME SA240 / ASTM A240		a	
3	301, 3	302, 304	ASME SA240 / ASTM A240	+AT	Plates, sheets, and Strips Hot rolled Cold rolled	2 0.3	100 8	/	/	/	1	ASME SA240 / ASTM A240		a	
											+				
Rema	arks +AT +AR +M +N	= thermo mechan			+QT = que +A = ani +SR = stre	rmalize enched nealed ess reli	l and te	mpere	ed	treati	ment			n pressure equipment 68/EU neccessary	



Sco	pe:	☑ Directive 20	014/68/EU Annex	I point 4.	3		□ E	N 76	4-4			☐ AD 2000	0-Merkblatt V	<i>/</i> 0				
	Certificat	te holder (Manufac	cturer of materials)		Man	ufactur	ing plaı	nt		Ν	lationality	Page No.:	6					
Com	pany Name:	Shanxi Taigang S	Stainless Steel Co., Lt	d.	Plant 1: No.2 Jiai							of:	10	TÜV Rheinland				
Locat	tion:		Street, Taiyuan City,	Shanxi	City, Shanxi Prov	•					China	Date:	Jun 30, 2023	Industrie Service				
		Province, 030003	, P.R. China		Plant 2: No.3 Qia Shanxi Province,							Rev.:	6	GmbH				
Cur		als-term	Material	Delivery	Article		Dimen	sions			/eight	Technical	F	Remarks				
-	Materi	als-No.	Specification	pecification Cond. Type of Product Thick-ness Ø							max	Specifications Requirements	1 17	VRhein				
							m		nm	1=t	: / 2=kg	Technical Regulations	Wang	Magarg				
						from	Up to	fro m	Up to	₩	result	Ü	0	1270 S				
1		2	3	4	5	6a	6b	7a	7b	8a	8b	9	9 10					
3. M	aterials acco	rding to other	standards															
mater	ial appraisal. With	that the manufactu	R 2014/68/EU is bound uring reliability for equ t be observed for the u	ivalent mate	erial grades accordi	ng to o	ther sta							val or to the particular and limits of the				
4	Gr.60, Gr	.65, Gr.70	ASME SA516 / ASTM A516	+N	Hot rolled Plates	6	40	/	1	/	/	ASME SA516 / ASTM A516		а				
5	Gr.11, Gr.12	, Gr.22, Gr.91	ASME SA387 / ASTM A387	+N	Hot rolled Plates	6	40	/	1	1	/	ASME SA387 / ASTM A387		а				
6		803, S32205, , S32750	ASME SA240 / ASTM A240	+AT	Hot rolled Plates	6	65	/	1	/	/	ASME SA240 / ASTM A240		а				
7	7 S41500 ASME SA240 / ASTM A240 +A				Hot rolled Plates	10	120	/	1	1	1	ASME SA240 / ASTM A240		а				

Remarks	+AI	= solution annealed	+N I	=	normalized and tempered	а	= PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered		in Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed		
	+N	= normalized or normalizing formed	+SR	=	stress relieved		
		<u> </u>	+H	=	solution annealed and aging treatment		



Sco	pe:	☑ Directive 20	014/68/EU Annex	I point 4.	.3		□ EI	N 76	4-4			☐ AD 2000	O-Merkblatt V	/0
	Certifica	te holder (Manufac	turer of materials)		Man	ufactur	ing plar	nt		١	Nationality	Page No.:	7	
Com	pany Name:	Shanxi Taigang S	tainless Steel Co., Lt	d.	Plant 1: No.2 Jiar							of:	10	TÜV Rheinland
Loca	tion:	No.2 Jiancaoping	Street, Taiyuan City,	Shanxi	City, Shanxi Prov	•	•				China	Date:	Jun 30, 2023	Industrie Service
		Province, 030003	, P.R. China		Plant 2: No.3 Qia Shanxi Province,							Rev.:	6	GmbH
Cur		als-term als-No.	Material	Delivery	Article Type of Product		Dimen	sions			/eight	Technical	F	Remarks
-	Materi	ais-ivo.	Specification	Cond.	Type of Product	Thick	-ness		Ø		max	Specifications Requirements	117	VRheinie
						m	m	n	nm	1=t	t / 2=kg	Technical	Mana	Wegang
						from	Up	fro	Up	↓	result	Regulations		12700 )
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1		2	3	4	5	6a	6b	7a	7b	8a	8b	9		10
3. M	2 3 4 5 6a 6b 7a 7b 8a 8b 9 10  Materials according to other standards													
mate	rial appraisal. With	s according to DGF that the manufactutively the PED must	ivalent mate	erial grades accordi	ng to of	ther sta							val or to the particular and limits of the	
	-	-												
8	G	r.G	ASME SA414 / ASTM A414	+AR	Sheets, strips Hot rolled	2	6	/	1	/	1	ASME SA414 / ASTM A414		а
9	SUS304L, SUS SUS316, SUS3 SUS317, SUS	3302, SUS304, 3305, SUS310S, 116L, SUS316Ti, 317L, SUS321, 5347	JIS G4304 JIS G4305	+AT	Plates, sheets, and Strips: Hot rolled Cold rolled	3 0.3	100 8	/	/	1	/	JIS G4304 JIS G4305		a
10		8405, SUS430, 8410, SUS420J1	JIS G4304 JIS G4305	+S	Plates, sheets, and Strips: Hot rolled Cold rolled	3 0.3	100 8	/	/	1	/	JIS G4304 JIS G4305	а	

<u>Remarks</u>	+AT	= solution annealed	+NT	=	normalized and tempered	а	=	PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered			in Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed			·
	+N	= normalized or normalizing formed	+SR	=	stress relieved			
			+H	=	solution annealed and aging treatment			



Sco	pe:	⊠ Dire	ective 2014/68/EU	Annex I	point 4.3		☐ EN 7	64-4				☐ AD 2000	00-Merkblatt W 0		
	Certificate ho	older (Mar	nufacturer of materials	s)	Manufacturing plant Nationalit							Page No.:	8		
Com	pany Name:	Shanxi T	aigang Stainless Ste	el Co., Ltd.	Plant 1: No.2 Jiancaoping Street, Taiyuan City,							of:	10	TÜV Rheinland	
Loca	tion:		ncaoping Street, Taiy		Shanxi Province, 030003, P.R. China						China	Date:	Jun 30, 2023	Industrie Service	
	Shanxi Province, 030003, P.R. China				Plant 2: No.3 Qiaodong Street, Linfen City, Shanxi Province, 041000, P. R. China							Rev.:	6 GmbH		
Cur	Materials-te							s			/eight	Technical	Remarks		
-	Materials-I	No.	Specification	Cond.	Type of Product	Thick	_necc	Í.	Ø	ı	max	Specifications Requirements	7	VRhein	
							mm				: / 2=kg	Technical Regulations	Nang	Magang	
						from	Up to	fro m	Up to	₩	result	J	Constrial Service		
1	2		3	4	5	6a	6b	7a	7b	8a	8b	9		10	
3. N	laterials acco	rding to	other standard	S											
mate	rial appraisal. With	that the r	g to DGR 2014/68/EU nanufacturing reliabilit PED must be observed	y for equiva	lent material grades	s according	to other sta	tanda ndard	rds or t s (e.g. l	to the BS, A	qualificati FNOR, ASI	on by a Europea ME) is proved. Th	n material appro ne requirements	val or to the particular and limits of the	
11	SUH409	L	_ JIS G4312 +AT		Plates, sheets, and Strips: Hot rolled Cold rolled	3 0.3	10 8	/ /		/	1	JIS G4312	а		
12	4130,414	10	ASTM A322	+AR	Hot-forged bar: Round Squares	120X120	160X160	100	250	1	/	ASTM A322	a If dimension exceed the scope, placefor to item 1.2 acc. to ASTM A2		
13	4130,414	10	ASTM A322	+AR	Hot-rolled bar: Squares Round- Cornered Squares	120X120 120X120	160X160 200X200	1	/	/	/	ASTM A322	a If dimension exceed the scope, pls. refer to item 1.2 acc. to ASTM A29		

Remarks Programme	+AT	= solution annealed	+NT	=	normalized and tempered	а	= P	PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered			n Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed			
	+N	= normalized or normalizing formed	+SR	=	stress relieved			
		-	+H	=	solution annealed and aging treatment			



Sco	pe:	□ Direct	ive 2014/68/E	U Annex	I point 4.3		☐ EN 764	1-4				☐ AD 200	AD 2000-Merkblatt W 0		
	Certificate ho	older (Manuf	acturer of materia	als)	Manufacturing plant Nationality						Page No.:	9			
Com	pany Name:	Shanxi Taiç Ltd.	gang Stainless St	eel Co.,	Plant 1: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China							of :	10	TÜV Rheinland	
Location: No.2 Jiancaoping Street, Taiyuan City, Shanxi Province, 030003, P.R. China				Plant 2: No.3 Qia Province, 041000		infen City, Sha	anxi		С	hina	Date:	Jun 30, 2023	Industrie Service		
		Ondrixi i io	VIIIOO, 000000, 1 .	irt. Ormia	1 10 11100, 011000	,						Rev.:	6	GmbH	
Cur	Materials	s-term	Material	Delivery	Article		imensions			We	ight	Technical	I	Remarks	
-	Material	s-No.	Specification	Cond.	Type of Product					m	ax	Specifications		ahai	
						Thick-	ness	Ç	Ø			Requirements	117	Sylland S	
						mr	n	m	ım		=t /	Technical	11/2/16	Wexagany	
							T					Regulations	000		
					from	Up to	fro	Up	↓	res		0	12700		
								m	to		ult			Cial Sec	
1	2		3	4	5	6a	6b	7a	7b	8a	8b	9		10	
3 N	laterials acc	ording to	other standa	rds			<u> </u>				0.0		<u> </u>		
					l to the mublication	of Harmanizad I	Cton	doudo	au 4a 4	the au	olifica	ian by a Furance	n meterial annu	ural au ta tha mautiardau	
mate	ise of the materi rial appraisal. W	ais according ith that the m	anufacturing relia	hility for ear	uivalent material gra	or narmonized i ades according t	ะนางpean ธเลก o other standa	uarus irds (e	a BS	ιπε qu	OR AS	MF) is proved Ti	n material appro ne requirements	oval or to the particular	
					use of material grad			45 (5	.g. 20	, ,	O11,710	, 10 p. 0 v 0 u	io roquii omonio		
14	304,3	16L	ASTM A276	+AT	Hot-forged bar: Round Squares	120X120	360X360	100	360	/	/	ASTM A276		а	
15	304,3	304,316L ASTM A276 +AT		+AT	Hot-rolled bar: Squares	150X150	550X550	/	/	/	/	ASTM A276		а	
16	410			Hot-forged bar: Round Squares	120X120 (100~350)X (100~350)	360X360 (100~350)X (100~350)	100	360	1	/	ASTM A276	а			
												·			

Remarks Programme	+AT	= solution annealed	+NT	=	normalized and tempered	а	= P	PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered			n Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed			
	+N	= normalized or normalizing formed	+SR	=	stress relieved			
		-	+H	=	solution annealed and aging treatment			



Sco	pe:	□ Directive 2	014/68/EU Anr	nex I point	4.3		☐ EN 7	64-4	4			☐ AD 2000	☐ AD 2000-Merkblatt W 0			
	Certificate	holder (Manufact	urer of materials)		Manufacturing plant Nationality					Page No.:	10					
Com	pany Name:	Shanxi Taigang S	Stainless Steel Co	., Ltd.	Plant 1: No.2 Jiancaoping Street, Taiyuan City,							of:	10	TÜV Rheinland		
Loca	ition:		Street, Taiyuan (						С	hina	Date:	Jun 30, 2023	Industrie Service			
		Province, 030003	3, P.R. China	Plant 2: No.3 Qiaodong Street, Linfen City, Shanxi Province, 041000, P. R. China							Rev.:	6	GmbH			
Cur		als-term	Material	Delivery	Article	Dimensions				eight	Technical	F	Remarks			
-	iviateri	als-No.	Specification	Cond.	Type of Product	Thick	-ness		Ø	l II	nax	Specifications Requirements				
						m	nm mm		1=t / 2=kg		Technical Regulations	Mang Magang				
						from	Up to	fro	Up	↓	res	regulations		12700		
								m	to		ult		offial Serus			
1		2	3	4	5	6a	6b	7a	7b	8a	8b	9		10		
3. N	laterials acco	rding to other	standards													
mate	rial appraisal. With	that the manufact	uring reliability for	equivalent m	ublication of Harmo laterial grades acco terial grades listed	rding to oth	er standard							oval or to the particular and limits of the		
		,			<u>g</u>											
17	4	10	ASTM A276	+S	Hot-forged bar: Squares	150X150	550X550	/	1	/ /		ASTM A276	а			
18	30	)4N	ASME SA240 / ASTM A240	+AT	Hot rolled Plates	14	21.5	/	1	1	/	ASME SA240 / ASTM A240	а			
19	SUS420J2		JIS G4304	+S	Hot rolled Plates	10	45	/	1	1	/	JIS G4304		а		

<u>Remarks</u>	+AT	= solution annealed	+NT	=	normalized and tempered	а	= PMA for t	ne use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered		in Directiv	e 2014/68/EU neccessary
	+M	= thermo mechanical treated	+A	=	annealed			
	+N	= normalized or normalizing formed	+SR	=	stress relieved			
		-	+H	=	solution annealed and aging treatment			