

Certificate

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

Certificate no.: 01 202 CHN/Q-06 0144.01

Name and address of the certificate holder: **Iraeta Energy Equipment Co., Ltd.
No. 4177, Jiwang Road, Zhangqiu district,
Jinan City,
Shandong
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-06 0144

Scope: **Manufacturing of forged flanges and Hot rolled rings,
see annex to certificate: 01 202 CHN/Q-06 0144,
revision 4 from Jan 26, 2024**

Manufacturing plant: see annex 2

Validity: **This certificate is valid to 2027-03-31.**

Cologne, 2024-02-12

Ines Krüger-Führ



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

E-108a

Annex 2

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

Certificate no.: 01 202 CHN/Q-06 0144.01

Name and address of the certificate holder: **Iraeta Energy Equipment Co., Ltd.**
No. 4177, Jiwang Road, Zhangqiu district,
Jinan City,
Shandong
P.R. China

Manufacturing plants: Iraeta Energy Equipment Co., Ltd.
No.9001, Jingshidong Road, Guanzhuang Sub-district Office,
Zhangqiu District, Jinan,
250217 Shandong
P.R. China

Iraeta Energy Equipment Co., Ltd.
No. 660, Baiyun Road, Guanzhuang sub-district office,
Zhangqiu District, Jinan,
250217 Shandong
P.R. China

Iraeta Energy Equipment Co., Ltd.
No. 321, Baiyun Road, Guanzhuang sub-district office,
Zhangqiu District, Jinan,
250217 Shandong
P.R. China

Cologne,
2024-02-12

Ines Krüger-Führ
Ines Krüger-Führ



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-06 0144.01

Name und Anschrift des
Zertifikatsinhaber: **Iraeta Energy Equipment Co., Ltd.**
No. 4177, Jiwang Road, Zhangqiu district,
Jinan City,
Shandong
P.R. China

Fertigungsstätten: Iraeta Energy Equipment Co., Ltd.
No.9001, Jingshidong Road, Guanzhuang Sub-district Office,
Zhangqiu District, Jinan,
250217 Shandong
P.R. China

Iraeta Energy Equipment Co., Ltd.
No. 660, Baiyun Road, Guanzhuang sub-district office,
Zhangqiu District, Jinan,
250217 Shandong
P.R. China

Iraeta Energy Equipment Co., Ltd.
No. 321, Baiyun Road, Guanzhuang sub-district office,
Zhangqiu District, Jinan,
250217 Shandong
P.R. China

Köln,
12.02.2024

Z Krüger-Führ

Ines Krüger-Führ

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



E-999



Scope:		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3		<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W 0					
Certificate holder (Manufacturer of materials)		Manufacturing plant				Nationality	Page No.:				
Company Name: Iraeta Energy Equipment Co., Ltd.		Plant 1: No. 9001, Jingshidong Road, Guanzhuang sub-district office, Zhangqiu District, Jinan, Shandong, 250217, P.R. China. Plant 2: No. 660, Baiyun Road, Guanzhuang sub-district office, Zhangqiu District, Jinan, Shandong, 250217, P.R. China. Plant 3: No. 321, Baiyun Road, Guanzhuang sub-district office, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.				China	1				
Location: No. 4177, Jiwang Road, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.							of: 4				
							Date: Jan 26, 2024				
							Rev.: 4				
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	Up to			
					6a	6b	7a	7b	8a	8b	

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	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1	P250GH	EN 10222-2	+N	Forged flanges	10	400	15	3500	--	--	EN 10222-1 EN 10222-2	
2	P245GH, P280GH	EN 10222-2	+N	Forged flanges	10	160	15	3500	--	--	EN 10222-1 EN 10222-2	
3	P355NH	EN 10222-4	+N	Forged flanges	10	70	15	3500	--	--	EN 10222-1 EN 10222-4	
4	16Mo3	EN 10222-2	+N / +NT	Forged flanges	10	400	15	3500	--	--	EN 10222-1 EN 10222-2	
5	13CrMo4-5	EN10222-2	+NT/ +QT	Forged flanges	10	400	15	3500	--	--	EN 10222-1 EN 10222-2	

Remarks	+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	



Scope:		<input type="checkbox"/> Directive 2014/68/EU Annex I point 4.3		<input type="checkbox"/> EN 764-4		<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0					
Certificate holder (Manufacturer of materials)		Manufacturing plant				Nationality	Page No.:				
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Location: No. 4177, Jiwang Road, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.							of: 4				
							Date: Jan 26, 2024				
							Rev.: 4				
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	Up to			
					6a	6b	7a	7b	8a	8b	

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	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1	S235JR(G2(1.0038))	EN 10250-2	+AR / +N	Forged flanges	10	400	15	3500	--	--	AD2000-W9	
2	P250GH	EN 10222-2	+N	Forged flanges	10	400	15	3500	--	--	AD2000-W9	
3	P245GH, P280GH	EN 10222-2	+N	Forged flanges	10	160	15	3500	--	--	AD2000-W9	
4	16Mo3	EN 10222-2	+N / +NT	Forged flanges	10	400	15	3500	--	--	AD2000-W9	
5	13CrMo4-5	EN 10222-2	+NT / +QT	Forged flanges	10	400	15	3500	--	--	AD2000-W9	

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Certificate holder (Manufacturer of materials)		Manufacturing plant				Nationality	Page No.:					
Company Name: Iraeta Energy Equipment Co., Ltd.		Plant 1: No. 9001, Jingshidong Road, Guanzhuang sub-district office, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.				China	3					
Location: No. 4177, Jiawang Road, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.		Plant 2: No. 660, Baiyun Road, Guanzhuang sub-district office, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.					of:	TÜV Rheinland				
		Plant 3: No. 321, Baiyun Road, Guanzhuang sub-district office, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.					Date: Jan 26, 2024	Industrie Service GmbH				
						Rev.:	4					
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max	Technical Specifications Requirements	Remarks	
					Thick-ness mm	mm						1st / 2-kg
					from	Up to	from	Up to	↓	res ult		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	
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	S235JRQ21(1.0038)	EN10250-2	+AR / + N	Forged flanges	10	400	15	3500	--	--	EN 10250-1 EN 10250-2	a
2	42CrMo4	EN10083-3	+QT	Hot rolled rings	80	160	2000	6400	--	--	EN 10083-3	a
3	S355J2	EN10025-2	+N	Hot rolled rings	80	400	2000	6400	--	--	EN 10025-1 EN 10025-2	a
4	S355NL	EN10025-3	+N	Hot rolled rings	80	250	2000	6400	--	--	EN 10025-1 EN 10025-3	a
5	A105	ASTM A105	+QT/+N	Forged flanges	10	400	15	3500	--	--	ASTM A105	a

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		Plant 3: No. 321, Baiyun Road, Guanzhuang sub-district office, Zhangqiu District, Jinan, Shandong, 250217, P.R. China.					Date: Jan 26, 2024	Industrie Service GmbH				
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6	LF2	ASTM A350	+N	Forged flanges	10	400	15	3500	--	--	ASTM A350	a
7	F304, F304L, F316 F316L, F321, F51	ASTM A182	+AT	Forged flanges	10	400	15	3500	--	--	ASTM A182	a
8	F11, Class 1, 2, 3	ASTM A182	+NT	Forged flanges	10	400	15	3500	--	--	ASTM A182	a
9	F22, Class 1, 3	ASTM A182	+NT	Forged flanges	10	400	15	3500	--	--	ASTM A182	a
10	F42, F46, F48, F50, F52 F56, F60, F65, F70	ASTM A694	+N	Forged flanges	10	400	15	3500	--	--	ASTM A694	a
11	C22.8	DIN 17243	+N	Forged flanges	10	400	15	3500	--	--	DIN 17243	a

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