

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 CHN/Q-04 0110

Name and address of the manufacturer: **Wuyang Iron and Steel Co., Ltd.
Sipo, Wugang City, Henan Province,
P. R. China 462500**

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.

Tested acc. to Directive 2014/68/EU: **QM System acc. to EN 764-5, article 4.2 and AD 2000-Merkblatt W0**

Audit report no.: CHN/Q-04 0110

Range of materials: Manufacturing of Steel Plates, see annex to certificate

Manufacturing plant: Wuyang Iron and Steel Co., Ltd.
Sipo, Wugang City, Henan Province,
P. R. China 462500

Valid until: July 11, 2019

Cologne, October 23, 2016


i. V. Dipl.-Ing. Oliver Theisen



TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
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E-108-E-Rev21

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Precisely Right.

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Wuyang Iron and Steel Co., Ltd.			Sipo, Wugang City, Henan Province, P.R.China 462500		P.R. China	2016.8.10	1	TÜV Rheinland Industrie Service GmbH				
Location: Sipo, Wugang City, Henan Province, P.R.China 462500						Rev.: 5	of : 2					
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	↓	res ult		
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	S235JR, S235J2, S235J0 S275JR, S275J2, S275J0 S355JR, S355J2, S355J0, S355K2	EN10025-2	N	Hot rolled steel plate	8	350						The pre-material of continuous casting slabs and ingot casting used for final rolling steel plates should produced by PED and AD2000-W0 approved manufacturer within the approved scope. If the pre-material and steel plates grade and/or size outside approved scope, the material should be inspected and issued EN10204 3.2 certificates by TUV Rheinland Group.
2	P235GH, P265GH P295GH, P355GH 16Mo3	EN10028-2	N	Hot rolled steel plate	8	250						
3	13CrMo4-5 10CrMo9-10	EN10028-2	NT, QT	Hot rolled steel plate	8	200						
4	P275N, P275NH, P275NL1, P275NL2 P355N, P355NH, P355NL1, P355NL2 P460N, P460NH, P460NL1, P460NL2	EN10028-3	N	Hot rolled steel plate	8	250						
5	C45E, C55E C45, C55	EN10083-2	AR, NT, QT AR, NT, QT	Hot rolled steel plate	8 8	160 250						
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"/> FPC, Regulation (EU) No. 305/2011(System 2+)						
Manufacturer				Work		Nationality	Date	Page No..	TÜV Rheinland Industrie Service GmbH			
Company Name: Wuyang Iron and Steel Co., Ltd. Location: Sipo, Wugang City, Henan Province, P.R.China 462500				Sipo, Wugang City, Henan Province, P.R.China 462500		P.R. China	2016.8.10	2				
						Rev.: 5	of : 2					
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
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	S235JR, S235J2, S275JR, S275J2, S355J2, S355K2	EN10025-2	N	Hot rolled steel plate	8	150					AD 2000 W1/W10	The pre-material of continuous casting slabs and ingot casting used for final rolling steel plates should produced by PED and AD2000-W0 approved manufacturer within the approved scope. for application acc. to AD 2000 rules, the manufacturer must be listed in the VdTUV material data sheet or a single approval with a 3.2 certificate is requested.
2	P235GH, P265GH P295GH, P355GH 16Mo3	EN10028-2	N	Hot rolled steel plate	8	150					AD 2000 W1/W10	
3	13CrMo4-5 10CrMo9-10	EN10028-2	NT, QT	Hot rolled steel plate	8	150					AD 2000 W1/W10	
4	P275N, P275NH, P275NL1, P275NL2 P355N, P355NH, P355NL1, P355NL2 P460N, P460NH, P460NL1, P460NL2	EN10028-3	N	Hot rolled steel plate	8	250					AD 2000 W1/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						