

# Zertifikat

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

Zertifikatsnummer: 01 202 E/Q-02 6904A.00

Name und Anschrift des  
Zertifikatsinhaber: **Sidenor Aceros Especiales, S.L.U.**  
**B° Ugarte, s/n**  
**48970 Basauri BIZKAIA**  
**Spanien**

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 E/Q-02 6904A

Geltungsbereich: **Herstellung von unlegierten, klegierten und austenitischen  
Stählen, siehe Anlage zum Zertifikat: 01 202 E/Q-02 6904A,  
Revision 10 vom 29.03.23**

Fertigungsstätte: siehe Zertifikatsinhaber

Gültigkeit: **Dieses Zertifikat ist gültig bis 31.05.2026.**

Köln, 30.04.2023

Dipl.-Ing. (FH) Vera Ruff



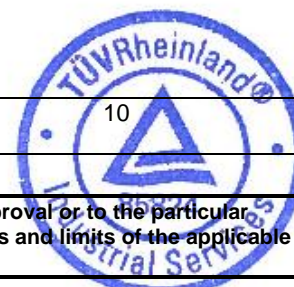
TÜV Rheinland Industrie Service GmbH  
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035  
Am Grauen Stein, D-51105 Köln

E-108a

Scope according to	<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" 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..				
Company Name: <b>SIDENOR ACEROS ESPECIALES, S.L.U</b>			<b>PLANT BASAURI</b>		<b>E</b>	29.03.23	1	TÜV Rheinland Industrie Service GmbH			
Location: E 48970 BASAURI							Rev.:10			of : 5	
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	fr o m	Up to			
1	2	3	4	5	6a	6b	7 a	7b	8a	8b	9
<b>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</b>											
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	X 6CrNiMoTi 17-12-2 X 2CrNiMo 17-12-2 X 5CrNi 18-10 X 6CrNiTi 18-10 X5CrNiMo 17-12-2 X2CrNi18-9	1.4571 1.4404 1.4301 1.4541 1.4401 1.4307	DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272	+AT +AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS BARS	25 25 25 25 25 25	100 100 100 100 100 100				
2	25 CrMo4 34 CrNiMo 6 40CrMoV4.6 21 CrMoV 5.7 42 CrMo 4	1.7218 1.6582 1.7711 1.7709 1.7225	DIN EN 10269 DIN EN 10269 DIN EN 10269 DIN EN 10269 DIN EN 10269	+S,+QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	25 25 25 25 25	100 100 100 100 65				b
3	P 250 GH 16 Mo 3 13 CrMo 45 10 CrMo 9-10	1.0460 1.5415 1.7335 1.7380	DIN EN 10273 DIN EN 10273 DIN EN 10273 DIN EN 10273	+N +QT +QT +QT	BARS BARS BARS BARS	25 25 25 25	100 100 100 100				
<b>Remarks</b>											
+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			b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested					
+M = thermo mechanical treated			+S = soft annealed								
+N = normalized or normalizing formed			+SR = stress relieved								

Scope according to	<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" 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..						
Company Name: <b>SIDENOR ACEROS ESPECIALES, S.L.U</b>			<b>PLANT BASAURI</b>		<b>E</b>	29.03.23	2	TÜV Rheinland Industrie Service GmbH					
Location: E 48970 BASAURI						Rev.:10	of : 5						
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 ↓ result				
1	2	3	4	5	6a	6b	7 a	7b			8a	8b	9
<b>2. Materials according to the AD 2000-Code</b>													
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	S 235J2	1.0117	DIN EN 10025 - 2	+N	BARS	25	100					AD 2000 W13	a
	S-235 JR	1.0038	DIN EN 10025 - 2	+N	BARS	25	100					AD 2000 W13	a
	S 275 JR	1.0044	DIN EN 10025 - 2	+N	BARS	25	100					AD 2000 W13	a
	S 275J2	1.0145	DIN EN 10025 - 2	+N	BARS	25	100					AD 2000 W13	a
	S 355 J2	1.0577	DIN EN 10025 - 2	+N	BARS	25	100					AD 2000 W13	a
5	P 250 GH	1.0460	DIN EN 10273	+N	BARS	25	100					AD 2000 W13	a
	P 355 NH	1.0565	DIN EN 10273	+N	BARS	25	100					AD 2000 W13	a
<b>Remarks</b>	+AT = solution annealed			+NT = normalized and tempered			a =			PMA for the use in pressure equipment in Directive 2014/68/EU necessary			
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Company Name: <b>SIDENOR ACEROS ESPECIALES, S.L.U.</b>		<b>PLANT BASAURI</b>		<b>E</b>	29.03.23	3	TÜV Rheinland Industrie Service GmbH					
Location: E 48970 BASAURI					Rev.:10	of : 5						
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	fr o m	Up to				
1	2	3	4	5	6a	6b	7 a	7b	8a	8b	9	10



**2. Materials according to the AD 2000-Code**

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6	25 CrMo4 21 CrMoV 5.7 40CrMoV4.6 42 CrMo 4	1.7218 1.7709 1.7711 1.7225	DIN EN 10269 DIN EN 10269 DIN EN 10269 DIN EN 10269	+QT +QT +QT +QT	BARS BARS BARS BARS	25 25 25 25	100 100 100 60				AD 2000 W 7 AD 2000 W 7 AD 2000 W 7 AD 2000 W 7	a a a a ,b	and EN 10204 3-2 certificate and EN 10204 3-2 certificate and EN 10204 3-2 certificate and EN 10204 3-2 certificate
7	X 6CrNiTi 18-10 X 6CrNiMoTi 17-12-2 X 2CrNiMo 17-12-2 X 5CrNi 18-10 X5CrNiMo 17-12-2 X2CrNi18-9	1.4541 1.4571 1.4404 1.4301 1.4401 1.4307	DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272	+AT +AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS BARS	25 25 25 25 25 25	100 100 100 100 100 100				AD 2000 W 2 AD 2000 W 2 AD 2000 W 2 AD 2000 W 2 AD 2000 W 2 AD 2000 W 2	a a a a a a	

<b>Remarks</b>	+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 b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested
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Location: E 48970 BASAURI										Rev.:10		of : 5			

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					Thick-ness mm		Ø mm		1=t / 2=kg			
					from	Up to	fr	Up	↓	res		
1	2	3	4	5	6a	6b	7	7b	8a	8b	9	10

**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.

8	34 CrNiMo 6 25 CrMo4 30CrNiMo8 41 Cr4 42CrMoS4 42 CrMo 4	1.6582 1.7218 1.6580 1.7035 1.7227 1.7225	EN ISO 683 -2 EN ISO 683 -2 EN ISO 683-2 EN ISO 683-2 EN ISO 683-2 EN ISO 683 -2	+QT +QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS BARS	25 25 25 25 25 25	100 100 100 100 100 100						a a a a a a
9	B7 L7 B16		ASTM A 193 ASTM A 320 ASTM A 193	+QT +QT +QT	BARS BARS BARS	25 25 25	100 65 100						a a ,b a
10	75 K + [AISI 4130]		API6A / ISO 10423 [ASTM A 29]	+QT	BARS	25	100						a
11	S 235J2 S-235 JR S 275 JR S 275J2 S 355 JR S 355 J2	1.0117 1.0038 1.0044 1.0145 1.0045 1.0577	DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2	+N-AR +N-AR +N-AR +N-AR +N-AR +N-AR	BARS BARS BARS BARS BARS BARS	25 25 25 25 25 25	100 100 100 100 100 100						a a a a a a

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Location: E 48970 BASAURI					Rev.:10	of : 5	GmbH					
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12	X 8CrNiS 18-9 X 20 Cr 13 X 20 Cr 13 X 6CrNiMoTi 17-12-2 X 2CrNiMo 17-12-2 X 5CrNi 18-10 X 6CrNiTi 18-10 X5CrNiMo 17-12-2	1.4305 1.4021 1.4021 1.4571 1.4404 1.4301 1.4541 1.4401	DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3	+AT +AT +QT +AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS BARS BARS BARS	25 25 25 25 25 25 25 25	100 100 100 100 100 100 100 100					a a a a a a a a
13	304, 304L 316, 316L 316TI 309 H 303	S30400S30403 S31600 S31603, S31635 S 30909 S 30300	ASTM 479 ASTM 479 ASTM 479 ASTM 479 ASTM 479 ASTM 479	+AT +AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS BARS	25 25 25 25 25 25	76,2 76,2 76,2 76,2 76,2 76,2					a ,b a a a ,b a , b a ,b
14	F5 F9 F11 F22 F91	182 K42544 182 K90941 182 K 11597 182 K21590 182 K90901	ASTM A182/ ASME SA182 ASTM A182/ ASME SA182 ASTM A182/ ASME SA182 ASTM A182/ ASME SA182 ASTM A182/ ASME SA182	+QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	25 25 25 25 25	100 100 100 100 100					a a a a a
<b>Remarks</b>	+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 b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested					

