

Certificado

Sistema de gestión de la calidad para fabricante de Materiales según la Directiva 2014/68/EU

Certificado no.: 01 202 E/Q-02 6904A.00

Nombre y dirección
del titular del certificado: **Sidenor Aceros Especiales, S.L.U.**
Bº Ugarte, s/n
48970 Basauri BIZKAIA
España

Por la presente se certifica que el fabricante de materiales ha introducido un sistema de calidad. El sistema de calidad ha sido auditado según la Directiva Europea 2014/68/EU, Anexo I, punto 4.3 para equipos a presión de acuerdo a los materiales listados en el ámbito de aprobación.

Base de ensayos: **Sistema de calidad según EN 764-5, sección 4.2 y AD 2000-Merkblatt W0**

No. del informe del auditor: 01 202 E/Q-02 6904A

Ámbito de aplicación: **FABRICANTE DE BARRAS DE ACERO; EN MATERIAL: ACERO AL CARBONO, ALEADO E INOXIDABLE DESDE, ver anexo del certificado: 01 202 E/Q-02 6904A, Revisión 10 del 29.03.23**

Planta de producción: ver empresa Certificada

Validez: **Este certificado es válido hasta 2026-05-31.**

Colonia, 2023-04-30


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

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..	TÜV Rheinland Industrie Service GmbH	
Company Name: SIDENOR ACEROS ESPECIALES, S.L.U				PLANT BASAURI				E	29.03.23	1		
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




1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU

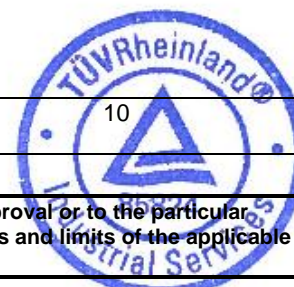
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to 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	X 6CrNiMoTi 17-12-2	1.4571	DIN EN 10272	+AT	BARS	25	100					
	X 2CrNiMo 17-12-2	1.4404	DIN EN 10272	+AT	BARS	25	100					
	X 5CrNi 18-10	1.4301	DIN EN 10272	+AT	BARS	25	100					
	X 6CrNiTi 18-10	1.4541	DIN EN 10272	+AT	BARS	25	100					
	X5CrNiMo 17-12-2	1.4401	DIN EN 10272	+AT	BARS	25	100					
	X2CrNi18-9	1.4307	DIN EN 10272	+AT	BARS	25	100					
2	25 CrMo4	1.7218	DIN EN 10269	+S,+QT	BARS	25	100					
	34 CrNiMo 6	1.6582	DIN EN 10269	+QT	BARS	25	100					
	40CrMoV4.6	1.7711	DIN EN 10269	+QT	BARS	25	100					
	21 CrMoV 5.7	1.7709	DIN EN 10269	+QT	BARS	25	100					
	42 CrMo 4	1.7225	DIN EN 10269	+QT	BARS	25	65					b
3	P 250 GH	1.0460	DIN EN 10273	+N	BARS	25	100					
	16 Mo 3	1.5415	DIN EN 10273	+QT	BARS	25	100					
	13 CrMo 45	1.7335	DIN EN 10273	+QT	BARS	25	100					
	10 CrMo 9-10	1.7380	DIN EN 10273	+QT	BARS	25	100					

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	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: SIDENOR ACEROS ESPECIALES, S.L.U				PLANT BASAURI				E		29.03.23		2		TÜV Rheinland Industrie Service GmbH	
Location: E 48970 BASAURI										Rev.:10		of : 5			
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					Thick-ness mm		Ø mm		1=t / 2=kg ↓ result	result					
1	2	3	4	5	6a	6b	7 a	7b			8a	8b	9		
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	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		
Remarks		+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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Manufacturer		Work		Nationality	Date	Page No..						
Company Name: SIDENOR ACEROS ESPECIALES, S.L.U.		PLANT BASAURI		E	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

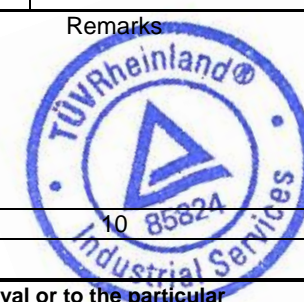
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6	25 CrMo4	1.7218	DIN EN 10269	+QT	BARS	25	100			AD 2000 W 7	a	and EN 10204 3-2 certificate
	21 CrMoV 5.7	1.7709	DIN EN 10269	+QT	BARS	25	100			AD 2000 W 7	a	and EN 10204 3-2 certificate
	40CrMoV4.6	1.7711	DIN EN 10269	+QT	BARS	25	100			AD 2000 W 7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

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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		Requirements Technical Regulations				
					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.)															
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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		
Remarks															
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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
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 b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested					