

# Certificado

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

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

Nombre y dirección  
del titular del certificado: **SIDENOR ACEROS ESPECIALES S.L.**  
**Planta de Reinosa**  
**Paseo de Alejandro Calonge, s/n**  
**39200 Reinosa (Cantabria)**  
**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 6904B

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 6904B, 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 WO	<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>PLANTA REINOSA</b>		<b>E</b>	29.03.23	1	TÜV Rheinland Industrie Service GmbH				
Location: E 39200 REINOSA (CANTABRIA)					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
<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 X 5CrNiMo 17-12-2 X 2CrNi18-9 X 8CrNiS 18-9	1.4571 1.4404 1.4301 1.4541 1.4401 1.4307 1.4305	DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272	+AT +AT +AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS BARS BARS	100 100 100 100 100 100 100	230 230 230 230 230 230 230				
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	100 100 100 100 100	150 120 160 160 65				b b b b 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 10269 DIN EN 10269 DIN EN 10269	+N +QT +QT +QT	BARS BARS BARS BARS	100 100 100 100	150 150 150 150				b b b b
<b>Remarks</b>	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +NT = +QT = quenched and tempered +S = soft annealed +SR = stress relieved b = in Directive 2014/68/EU necessary = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested Over limits will need PMA										

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>PLANTA REINOSA</b>		<b>E</b>	29.03.23	2	TÜV Rheinland Industrie Service GmbH			
Location: E 39200 REINOSA (CANTABRIA)							Rev.:10	of : 5				
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					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<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.												
8	S 235J2 S-235 JR S 275 JR S 275J2 S 355 J2	1.0117 1.0038 1.0044 1.0145 1.0577	DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2	+N +N +N +N +N	BARS BARS BARS BARS BARS	100 100 100 100 100	230 230 230 230 230				AD 2000 W13 AD 2000 W13 AD 2000 W13 AD 2000 W13 AD 2000 W13	a a a a a
5	P 250 GH P 355 NH	1.0460 1.0565	DIN EN 10273 DIN EN 10273	+N +N	BARS BARS	100 100	150 150				AD 2000 W13 AD 2000 W13	a ,b a ,b
6	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	+QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	100 100 100 100 100	150 120 160 160 65				AD 2000 W 7 AD 2000 W 7 AD 2000 W 7 AD 2000 W 7 AD 2000 W 7	a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate
<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				



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+)							
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Location: E 39200 REINOSA (CANTABRIA)						Rev.:10	of : 5					
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					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
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7	X 6CrNiMoTi 17-12-2	1.4571	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X 2CrNiMo 17-12-2	1.4404	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X 5CrNi 18-10	1.4301	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X 6CrNiTi 18-10	1.4541	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X5CrNiMo 17-12-2	1.4401	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X2CrNi18-9	1.4307	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	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					
	+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								
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					from	Up to	from	U p to				
1	2	3	4	5	6a	6b	7a	7 b	8a	8b	9	10
<b>3. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</b>												
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8	B7 L7 B16	ASTM A 193 ASTM A 320 ASTM A 193	+QT +QT +QT	BARS BARS BARS	100 100 100	177,8 65 200						b b b
9	75 K + [AISI 4130]	API6A / ISO 10423 [ASTM A 29]	+QT	BARS	100	230						a
10	S 235J2 1.0117 S-235 JR 1.0038 S 275 JR 1.0044 S 275J2 1.0145 S 355 JR 1.0045 S 355 J2 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	100 100 100 100 100 100	230 230 230 230 230 230						a a a a a a
11	F5 F9 F11 F22 F91	K42544 K90941 K 11597 K21590 K90901	+QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	100 100 100 100 100	230 230 230 230 230						a a a certificate 3.1 reviewed by NoBo a certificate 3.1 reviewed by NoBo a certificate 3.1 reviewed by NoBo
<b>Results</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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12	34 CrNiMo 6 25 CrMo4 30CrNiMo8 42 CrMo 4 42CrMoS4 41 Cr4	1.6582 1.7218 1.6580 1.7225 1.7227 1.7035	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	100 100 100 100 100 100	230 160 230 230 230 100				a a,b a a a a,b	
13	304, 304L 316, 316L, 316Ti 309 H 303	S30400, S30403 S31600 S31603, S31635 S 30909 S 30300	ASTM 479 ASTM 479 ASTM 479 ASTM 479 ASTM 479	+AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS	100 100 100 100 100	76,2 76,2 76,2 76,2 76,2				b b b b b	
14	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	100 100 100 100 100 100 100 100	160 160 230 230 230 230 230 230				b b a a a a a a	
<b>Results</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							

