

# 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.01

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 11 del 09.05.2024

Planta de producción: ver empresa Certificada

Validez: Este certificado es válido hasta 2026-06-31.


Colonia, 2024-05-22


Ines Krüger-Führ



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: <b>SIDENOR ACEROS ESPECIALES, S.L.U</b>				<b>PLANT BASAURI</b>		<b>E</b>	09.05.24	1			
Location: E 48970 BASAURI							Rev.:11	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	∅ mm	from	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	20 20 20 20 20 20	120 120 120 120 120 120				
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	20 20 20 20 20	120 120 120 120 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	20 20 20 20	120 120 120 120				
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				

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					Thick-ness mm		Ø mm		1=t / 2=kg	res ult		
					from	Up to	fr o m	Up to				
1	2	3	4	5	6a	6b	7 a	7b	8a	8b	9	
												
<b>2. Materials according to the AD 2000-Code</b>												
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4	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	20 20 20 20 20	120 120 120 120 120				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	20 20	120 120				AD 2000 W13 AD 2000 W13	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					

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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	20 20 20 25	120 120 120 65			AD 2000 W 7 AD 2000 W 7 AD 2000 W 7 AD 2000 W 7	a and EN 10204 3-2 certificate <400°C a and EN 10204 3-2 certificate a and EN 10204 3-2 certificate a,b and EN 10204 3-2 certificate <500°C	
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	20 20 20 20 20 20	120 120 120 120 120 120			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	
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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	20 20 20 20 20 20	120 120 120 120 120 120					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	20 25 20	120 65 120					a a ,b a															
10	75 K + [AISI 4130]		API6A / ISO 10423 [ASTM A 29]	+QT	BARS	20	120					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	20 20 20 20 20 20	120 120 120 120 120 120					a a a a a a															
<table style="width:100%; border:none;"> <tr> <td style="width:10%;"><b>Remarks</b></td> <td style="width:30%;">+AT = solution annealed</td> <td style="width:30%;">+NT = normalized and tempered</td> <td style="width:30%;">a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary</td> </tr> <tr> <td></td> <td>+AR = as rolled</td> <td>+QT = quenched and tempered</td> <td>b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested</td> </tr> <tr> <td></td> <td>+M = thermo mechanical treated</td> <td>+S = soft annealed</td> <td></td> </tr> <tr> <td></td> <td>+N = normalized or normalizing formed</td> <td>+SR = stress relieved</td> <td></td> </tr> </table>												<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	
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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	20 20 20 20 20 20 20 20	120 120 120 120 120 120 120 120					a a a a a a a a
13	304, 304L 316, 316L 316Ti 309 H 321	S30400S30403 S31600, S31603 S31635 S 30909 S 30700	ASTM 479 ASTM 479 ASTM 479 ASTM 479 ASTM 479	+AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS	20 20 20 20 20	120 120 120 120 120					a ,b 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 SA 182 ASTM A182/ ASME SA 182 ASTM A182/ ASME SA 182 ASTM A182/ ASME SA 182 ASTM A182/ ASME SA 182	+QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	20 20 20 20 20	120 120 120 120 120					a a a a a
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