

# Certificate

## Quality-Assurance System for Manufacturer of Materials

acc. to Directive 2014/68/EU

Certificate no.: 01 202 E/Q-16 1473

Name and address of the manufacturer: **SIDENOR ACEROS ESPECIALES, S.L.**  
Pasatge Joan Miró, 3  
E - 08213 Polinyà

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: **QA System acc. to EN 764-5, article 4.2 and AD 2000-Merkblatt W0**

Audit report no.: E/Q-16 1473

Range of materials: Production of round, square and hexagonal section steel drawn bars, and round turned and ground bars, see annex to certificate

Manufacturing plant: **SIDENOR ACEROS ESPECIALES, S.L.**  
Pasatge Joan Miró, 3  
E - 08213 Polinyà

Valid until: May 06, 2019

Cologne, May 7, 2017

  
i. V. Dipl.-Ing. Oliver Theisen



TÜV Rheinland Industrie Service GmbH  
Notified Body for Pressure Equipment, ID No. 0035  
Am Grauen Stein, D-51105 Köln

E-108-E-Rev21

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 WD	<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. Pasaje Miró, 3 Location: Polinyà (Barcelona)			Site 1: Pasaje Miró, 3 Polinyà Site 2: C/ Miró, 2 Polinyà		Spain	15.03.17 Rev.: 01	1 of: 4					
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max  1-t/ 2-tg g kg	Technical Specifications  Requirements  Technical Regulations	Remarks	
					Thick- ness mm		Ø mm					
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<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 approval. 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.												
	16 Mo 3	EN10222-2-1.5415	QT	bar			5	90			AD2000 - W13	
	13 CrMo 44	DIN EN10273-1.7335	QT	bar			5	90			AD2000 - W13	
	10 CrMo 9-10	DIN EN 10273-1.7380	QT	bar			5	90			AD2000 - W13	
	34 CrNiMo 8	EN 10269 - 1.6582	QT	bar			5	90			AD2000 - W7	
	25 CrNiMo4	EN 10269 - 1.7218	QT	bar			5	90			AD2000 - W7	
	42 CrNiMo 4	EN 10269 - 1.7218	QT	bar			5	90			AD2000 - W7	
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 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.	TUV Rheinland Industrie Service GmbH				
Company Name: SIDENOR ACEROS ESPECIALES, S.L. Passage Miró, 3 Location: Polinyà (Barcelona)				Site 1: Passeig Miró, 3 Polinyà Site 2: C/ Miró, 2 Polinyà		Spanish	15.03.17 Rev.: 01	2 of: 4					
Cur.	Materials-term Materials No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications  Requirements  Technical Regulations	Remarks	
					Thickness mm		Ø mm		1+1 2+kg	kg			mm xH
					from 6a	Up to 6b	from 7a	Up to 7b					
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 approval. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AWS, ASME) is proved. The requirements and limits of the applicable code respectively the FPD must be observed for the use of material grades listed in column 2 to 4.													
	S 235J2 S 235 JR S 275 JR S 275J2 S 355 JR P 250 GH	EN10025.2-1.0117 EN10025.2-1.0038 EN10025.2-1.0044 EN10025.2-1.0145 EN10025.2-1.0045 DIN EN 10073	N-AR N-AR N-AR N-AR N-AR N	bar bar bar bar bar bar			5	90			AD2000 - W13 AD2000 - W13 AD2000 - W13 AD2000 - W13 AD2000 - W13 AD2000 - W13		
<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 = FMA 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 checked="" type="checkbox"/> EN 784-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt WD	<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. Pasaje Miró, 3 Location: Polinyà (Barcelona)				Site 1: Pasaje Miró, 3 Polinyà Site 2: C/ Miró, 3 Polinyà		Spain	15.03.17 Rev: 01	3 of 4				
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		t-t / Z/kg			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>3. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</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 approval. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and tests of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
	L7 B16 79K AISI 4130	ASTM A320 ASTM A 193 ISO 15423 ASTM A 29	QT QT QT	Bar BAR BAR			5	90				
<b>Details</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						



Scope according to		<input type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 784-4	<input type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No.	TUV Rheinland Industrie Service GmbH				
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Cur	Materials-form Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max  1-t / 2-tkg	Technical Specifications  Requirements  Technical Regulations	Remarks	
					Thickness mm		Ø mm					g
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<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 = PSA for the use in pressure equipment in Directive 2014/68/EU necessary						

