

# Certificate

## Quality management system for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 E/Q-02 6904C.01

Name and address of the  
certificate holder:

**SIDENOR ACEROS ESPECIALES S.L.**  
**Planta de Azkoitia**  
**Ctra. Zumárraga, s/n**  
**20720 Azkoitia (Gipuzkoa)**  
**Spain**

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, point 4.3, with regard to the materials as listed in the scope of approval.

Test basis:

**QM System acc. to EN 764-5, Clause 4.2 and  
AD 2000-Merkblatt W0**

Audit report no.:

01 202 E/Q-02 6904C

Scope:

**MANUFACTURER OF STEEL ROLLED (BARS) AND  
FORGED BARS IN MATERIAL: CARBON, STEEL,  
ALLOY STEEL, AND STAINLESS STEEL, see annex  
to certificate: 01 202 E/Q-02 6904C, revision 11  
from 10.03.2026**

Manufacturing plant:

see certificate holder

Validity:

**The certificate is valid from 2026-06-01 until 2029-05-31.**

Cologne, 2026-05-29

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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                       | <input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3   |                                    |                                      |                      | <input checked="" type="checkbox"/> EN 764-4 |                            |                                |               | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |                                                                             |                       |            |                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------|--------------------------------------|----------------------|----------------------------------------------|----------------------------|--------------------------------|---------------|-----------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------|------------|--------------------------------------------|
| Certificate holder (Manufacturer of materials)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                       |                                                                              |                                    |                                      |                      | Manufacturing plant                          |                            |                                |               | Nationality                                               |                                                                             | Page No.:             | 1          | TÜV Rheinland<br>Industrie Service<br>GmbH |
| Company Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                       | SIDENOR ACEROS ESPECIALES, S.L.U.                                            |                                    |                                      |                      | PLANTA AZKOITIA                              |                            |                                |               | E                                                         |                                                                             | of :                  | 4          |                                            |
| Location:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                       | E 20720 AZKOITIA (GUPUZKOA)                                                  |                                    |                                      |                      |                                              |                            |                                |               |                                                           |                                                                             | Date:                 | 10.03.2026 |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                       |                                                                              |                                    |                                      |                      |                                              |                            |                                |               |                                                           |                                                                             | Rev.:                 | 11         |                                            |
| Cur -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Materials-term<br>Materials-No.                                                                       | Material<br>Specification                                                    | Delivery<br>Cond.                  | Article<br>Type of Product           | Dimensions           |                                              |                            |                                | Weight<br>max |                                                           | Technical<br>Specifications<br>Requirements<br><br>Technical<br>Regulations | Remarks               |            |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                       |                                                                              |                                    |                                      | Thick-<br>ness<br>mm |                                              | Ø<br>mm                    |                                | 1=t /<br>2=kg |                                                           |                                                                             |                       |            |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                       |                                                                              |                                    |                                      | from                 | Up<br>to                                     | from                       | Up<br>to                       | ↓             | res<br>ult                                                |                                                                             |                       |            |                                            |
| 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><br>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<br>X 2CrNiMo 17-12-2 1.4404<br>X 5CrNi 18-10 1.4301                        | DIN EN 10272<br>DIN EN 10272<br>DIN EN 10272                                 | +AT<br>+AT<br>+AT                  | BARS<br>BARS<br>BARS                 |                      |                                              | 19<br>19<br>19             | 200<br>200<br>200              |               |                                                           |                                                                             |                       |            |                                            |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P 250 GH 1.0460<br>16 Mo 3 1.5415<br>13 CrMo 44 1.7335<br>10 CrMo 9-10 1.7380                         | DIN EN 10273<br>DIN EN 10273<br>DIN EN 10273<br>DIN EN 10273                 | +N<br>+QT<br>+QT<br>+QT            | BARS<br>BARS<br>BARS<br>BARS         |                      |                                              | 19<br>19<br>19<br>19       | 150<br>150<br>150<br>150       |               |                                                           |                                                                             | b<br>b<br>b<br>b      |            |                                            |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25 CrMo4 1.7218<br>34 CrNiMo 6 1.6582<br>40CrMoV4.6 1.7711<br>21 CrMoV 5.7 1.7709<br>42 CrMo 4 1.7225 | DIN EN 10269<br>DIN EN 10269<br>DIN EN 10269<br>DIN EN 10269<br>DIN EN 10269 | +S,+QT<br>+QT<br>+QT<br>+QT<br>+QT | BARS<br>BARS<br>BARS<br>BARS<br>BARS |                      |                                              | 19<br>19<br>19<br>19<br>19 | 150<br>100<br>160<br>160<br>65 |               |                                                           |                                                                             | b<br>b<br>b<br>b<br>b |            |                                            |

| Remarks | +AT = solution annealed<br>+AR = as rolled<br>+M = thermo mechanical treated<br><br>+N = normalized or normalizing formed | +NT = normalized and tempered<br>+QT = quenched and tempered<br>+S = soft annealed<br><br>+SR = stress relieved | a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary<br>b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested |
|---------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|---------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Scope:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                    | <input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3 |                                                                                                  |                                           |                                      | <input checked="" type="checkbox"/> EN 764-4 |         |                            |                                 | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |                                                                       |                                                                                                    |                                                                                                                                                                                  |                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------|----------------------------------------------|---------|----------------------------|---------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Certificate holder (Manufacturer of materials)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                    |                                                                            |                                                                                                  |                                           |                                      | Manufacturing plant                          |         |                            |                                 | Nationality                                               |                                                                       | Page No.:                                                                                          | 2                                                                                                                                                                                | TÜV Rheinland<br>Industrie Service<br>GmbH |
| Company Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                    | SIDENOR ACEROS ESPECIALES, S.L.U.                                          |                                                                                                  |                                           |                                      | PLANTA AZKOITIA                              |         |                            |                                 | E                                                         |                                                                       | of :                                                                                               | 4                                                                                                                                                                                |                                            |
| Location:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                    | E 20720 AZKOITIA (GUPUZKOA)                                                |                                                                                                  |                                           |                                      |                                              |         |                            |                                 |                                                           |                                                                       | Date:                                                                                              | 10.03.2026                                                                                                                                                                       |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                    |                                                                            |                                                                                                  |                                           |                                      |                                              |         |                            |                                 |                                                           |                                                                       | Rev.:                                                                                              | 11                                                                                                                                                                               |                                            |
| Cur -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Materials-term<br>Materials-No.                                    | Material Specification                                                     | Delivery Cond.                                                                                   | Article<br>Type of Product                | Dimensions                           |                                              |         |                            | Weight max                      |                                                           | Technical Specifications<br>Requirements<br><br>Technical Regulations | Remarks<br><br> |                                                                                                                                                                                  |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                    |                                                                            |                                                                                                  |                                           | Thick-<br>ness<br>mm                 |                                              | Ø<br>mm |                            | 1=t /<br>2=kg                   |                                                           |                                                                       |                                                                                                    |                                                                                                                                                                                  |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                    |                                                                            |                                                                                                  |                                           | from                                 | Up<br>to                                     | from    | Up<br>to                   | ↓                               | res<br>ult                                                |                                                                       |                                                                                                    |                                                                                                                                                                                  |                                            |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                                                                  | 3                                                                          | 4                                                                                                | 5                                         | 6a                                   | 6b                                           | 7a      | 7b                         | 8a                              | 8b                                                        | 9                                                                     | 10                                                                                                 |                                                                                                                                                                                  |                                            |
| <b>2. Materials according to the AD 2000-Code</b><br>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<br>S-235 JR<br>S 275 JR<br>S 275J2<br>S 355 J2             | 1.0117<br>1.0038<br>1.0044<br>1.0145<br>1.0577                             | DIN EN 10025 - 2<br>DIN EN 10025 - 2<br>DIN EN 10025 - 2<br>DIN EN 10025 - 2<br>DIN EN 10025 - 2 | +AR+N<br>+AR+N<br>+AR+N<br>+AR+N<br>+AR+N | BARS<br>BARS<br>BARS<br>BARS<br>BARS |                                              |         | 19<br>19<br>19<br>19<br>19 | 200<br>200<br>200<br>200<br>200 |                                                           |                                                                       | AD 2000 W13<br>AD 2000 W13<br>AD 2000 W13<br>AD 2000 W13<br>AD 2000 W13                            | a<br>a<br>a<br>a<br>a                                                                                                                                                            |                                            |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | P 250 GH<br>P 355 NH                                               | 1.0460<br>1.0565                                                           | DIN EN 10273<br>DIN EN 10273                                                                     | +N<br>+N                                  | BARS<br>BARS                         |                                              |         | 19<br>19                   | 150<br>150                      |                                                           |                                                                       | AD 2000 W13<br>AD 2000 W13                                                                         | b<br>b                                                                                                                                                                           |                                            |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25 CrMo4<br>34 CrNiMo 6<br>40CrMoV4.6<br>21 CrMoV 5.7<br>42 CrMo 4 | 1.7218<br>1.6582<br>1.7711<br>1.7709<br>1.7225                             | DIN EN 10269<br>DIN EN 10269<br>DIN EN 10269<br>DIN EN 10269<br>DIN EN 10269                     | +QT<br>+QT<br>+QT<br>+QT<br>+QT           | BARS<br>BARS<br>BARS<br>BARS<br>BARS |                                              |         | 19<br>19<br>19<br>19<br>19 | 150<br>100<br>160<br>160<br>65  |                                                           |                                                                       | AD 2000 W 7<br>AD 2000 W 7<br>AD 2000 W 7<br>AD 2000 W 7<br>AD 2000 W 7                            | a,b and EN 10204 3.2 certificate<br>a,b and EN 10204 3.2 certificate<br>a,b and EN 10204 3.2 certificate<br>a,b and EN 10204 3.2 certificate<br>a,b and EN 10204 3.2 certificate |                                            |

|                |                                                                                                                           |                                                                                                                 |                                                                                                                                                                                      |
|----------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Remarks</b> | +AT = solution annealed<br>+AR = as rolled<br>+M = thermo mechanical treated<br><br>+N = normalized or normalizing formed | +NT = normalized and tempered<br>+QT = quenched and tempered<br>+S = soft annealed<br><br>+SR = stress relieved | a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary<br>b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested |
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|                                                |                                 |                                                                            |                   |                            |                  |                                              |         |             |               |                                                           |                                                                         |                        |         |
|------------------------------------------------|---------------------------------|----------------------------------------------------------------------------|-------------------|----------------------------|------------------|----------------------------------------------|---------|-------------|---------------|-----------------------------------------------------------|-------------------------------------------------------------------------|------------------------|---------|
| Scope:                                         |                                 | <input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3 |                   |                            |                  | <input checked="" type="checkbox"/> EN 764-4 |         |             |               | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |                                                                         |                        |         |
| Certificate holder (Manufacturer of materials) |                                 |                                                                            |                   | Manufacturing plant        |                  |                                              |         | Nationality |               | Page No.:                                                 |                                                                         | 3                      |         |
| Company Name:                                  |                                 | SIDENOR ACEROS ESPECIALES, S.L.U.                                          |                   |                            |                  | PLANTA AZKOITIA                              |         |             |               | E                                                         |                                                                         | of : 4                 |         |
| Location:                                      |                                 | E 20720 AZKOITIA (GUPUZKOA)                                                |                   |                            |                  |                                              |         |             |               |                                                           |                                                                         | TÜV Rheinland          |         |
|                                                |                                 |                                                                            |                   |                            |                  |                                              |         |             |               |                                                           |                                                                         | Date: 10.03.2026       |         |
|                                                |                                 |                                                                            |                   |                            |                  |                                              |         |             |               |                                                           |                                                                         | Rev.: 11               |         |
|                                                |                                 |                                                                            |                   |                            |                  |                                              |         |             |               |                                                           |                                                                         | Industrie Service GmbH |         |
| Cur -                                          | Materials-term<br>Materials-No. | Material Specification                                                     | Delivery<br>Cond. | Article<br>Type of Product | Dimensions       |                                              |         |             | Weight<br>max |                                                           | Technical<br>Specifications<br>Requirements<br>Technical<br>Regulations |                        | Remarks |
|                                                |                                 |                                                                            |                   |                            | Thick-ness<br>mm |                                              | Ø<br>mm |             | 1=t /<br>2=kg |                                                           |                                                                         |                        |         |
|                                                |                                 |                                                                            |                   |                            | from             | Up<br>to                                     | from    | Up<br>to    | ↓             | res<br>ult                                                |                                                                         |                        |         |
| 1                                              | 2                               | 3                                                                          | 4                 | 5                          | 6a               | 6b                                           | 7a      | 7b          | 8a            | 8b                                                        | 9                                                                       |                        | 10      |

### 3. Materials according to other standards

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.

|    |                    |                               |                  |        |      |  |  |    |       |  |  |  |      |
|----|--------------------|-------------------------------|------------------|--------|------|--|--|----|-------|--|--|--|------|
| 7  | X 20 Cr 13         | 1.4021                        | DIN EN 10088 -3  | +QT    | BARS |  |  | 19 | 200   |  |  |  | a    |
| 8  | B7                 |                               | ASTM A 193       | +QT    | BARS |  |  | 19 | 177,8 |  |  |  | a,b  |
|    | L7                 |                               | ASTM A 320       | +QT    | BARS |  |  | 19 | 65    |  |  |  | a,b  |
|    | B16                |                               | ASTM A 193       | +QT    | BARS |  |  | 19 | 200   |  |  |  | b    |
| 9  | 75 K + [AISI 4130] | API6A / ISO 10423 [ASTM A 29] |                  | +QT    | BARS |  |  | 19 | 200   |  |  |  | a    |
| 10 | S 235J2            | 1.0117                        | DIN EN 10025 - 2 | +N,+AR | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | S-235 JR           | 1.0038                        | DIN EN 10025 - 2 | +N,+AR | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | S 275 JR           | 1.0044                        | DIN EN 10025 - 2 | +N,+AR | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | S 275J2            | 1.0145                        | DIN EN 10025 - 2 | +N,+AR | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | S 355 JR           | 1.0045                        | DIN EN 10025 - 2 | +N,+AR | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | S 355 J2           | 1.0577                        | DIN EN 10025 - 2 | +N,+AR | BARS |  |  | 19 | 200   |  |  |  | a    |
| 11 | 34 CrNiMo 6        | 1.6582                        | EN ISO 683.2     | +QT    | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | 25 CrMo4           | 1.7218                        | EN ISO 683.2     | +QT    | BARS |  |  | 19 | 160   |  |  |  | a ,b |
|    | 30CrNiMo8          | 1.6580                        | EN ISO 683.2     | +QT    | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | 42 CrMo 4          | 1.7225                        | EN ISO 683.2     | +QT    | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | 42CrMoS4           | 1.7227                        | EN ISO 683.2     | +QT    | BARS |  |  | 19 | 200   |  |  |  | a    |
|    | 41 Cr4             | 1.7035                        | EN ISO 683-2     | +QT    | BARS |  |  | 19 | 100   |  |  |  | A, b |

|                |                                       |                               |                                                                                                       |
|----------------|---------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------|
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|                | +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         |                                                                                                       |

|                |                                       |                               |                                                        |
|----------------|---------------------------------------|-------------------------------|--------------------------------------------------------|
| <b>Remarks</b> | +AT = solution annealed               | +NT = normalized and tempered | a = PMA for the use in pressure equipment              |
|                | +AR = as rolled                       | +QT = quenched and tempered   | in Directive 2014/68/EU necessary                      |
|                | +M = thermo mechanical treated        | +S = soft annealed            | b = If the size of the product is outside the approved |
|                | +N = normalized or normalizing formed | +SR = stress relieved         | scope acc. to the standard, a PMA is requested         |