

CERTIFICATE

Quality-Assurance System for material manufacturer
according to Pressure Equipment Directive 2014/68/EU

Certificate no.: 07/202/1326/WZ/0527/22

Name and address
of the manufacturer: ArcelorMittal Bremen GmbH
Carl-Benz-Straße 30
D - 28237 Bremen

Herewith we certify that the manufacturer has established and applies a **quality-assurance system related to the material**. This QA System has been subjected to a specific assessment acc. to directive 2014/68/EU, annex I, point 4.3 with regard to the materials mentioned in the scope of approval.

Approved acc. to directive
2014/68/EU: **QA-System in relation to materials,
EN 764-5, section 4.2 and AD2000-Merkblatt W0**

Certification file no.: 1326WL22-1830 / 8120337316

Audit report file no.: 1326WL22-1830

Scope of approval:
(product / material) Hot rolled strip and plate from ferritic steels

Production site: see above

The certificate is valid until: April 2025

Only valid in conjunction with a valid certificate acc. to EN ISO 9001.

Attachment:
Scope of approval



Notified Body 0045 for pressure equipment

Contact:
E-mail IMWUS@tuev-nord.de
Phone +49-(0) 40-8557-2090

TÜV NORD Systems GmbH & Co. KG, Große Bahnstraße 31, 22525 Hamburg

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE


Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3.

Zertifikat-Nr. / Certificate No.: 07/203/1326/WP/0527/22

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Zertifikat-Nr. / Certificate No.: 07/202/1326/WZ/0527/22

| Firma / Company: | Ort / Location: | AZ / File No.: | SAP-Nr.: | Datum / Date: |
|----------------------|--|----------------|------------|---------------|
| ArcelorMittal Bremen | Carl-Benz-Straße 30 28237 Bremen, Deutschland | 1326WL22-1830 | 8120337316 | 28.04.2022 |

| Nr. No. | Werkstoffbezeichnung Material designation | Spezifikation Specification | Lieferzustand* Delivery cond.* | Erzeugnisform Product type | Abmessungen Dimensions | | Prüfgrundlagen Test specifications | Bemerkungen Remarks |
|---|--|--------------------------------|-----------------------------------|---|----------------------------|--|---|---|
| | | | | | Dicke Thickness [mm] | Ø / Gewicht Ø / Weight [mm] / [kg] | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 / 8 | 9 | 10 |
| 1 Werkstoffe nach harmonisierten Normen (2014/68/EU) / Materials according to harmonized standards (2014/68/EU) | | | | | | | | |
| 1.1 | P235GH (1.0345) P265GH (1.0425) P295GH (1.0481) P355GH (1.0473) | DIN EN 10028-2 | +N | Band und Blech aus Band Strip and plate from strip | 1,5 - 25 | | Richtlinie 2014/68/EU Directive 2014/68/EU |  |
| 1.2 | P275NH (1.0487) P275NL1 (1.0488) P275NL2 (1.1104) P355N (1.0562) P355NL1 (1.0562) P355NL2 (1.1106) | DIN EN 10028-3 | +N | Band und Blech aus Band Strip and plate from strip | 1,5 - 25 | | Richtlinie 2014/68/EU Directive 2014/68/EU | |
| 2 Werkstoffe nach AD 2000 / Materials according to AD 2000 | | | | | | | | |
| 2.1 | S235JR+N (1.0038) S235J2+N (1.0117) S275JR+N (1.0044) S275J2+N (1.0145) S355J2+N (1.0577) S355K2+N (1.0596) | DIN EN 10025-2 | +N | Band und Blech aus Band Strip and plate from strip | 1,5 - 25 | | AD 2000-Merkblatt W1, TRD 101 | |

Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3.

Zertifikat-Nr. / Certificate No.: 07/203/1326/WP/0527/22

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Zertifikat-Nr. / Certificate No.: 07/202/1326/WZ/0527/22

| | | | | |
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| Firma / Company: | Ort / Location: | AZ / File No.: | SAP-Nr.: | Datum / Date: |
| ArcelorMittal Bremen | Carl-Benz-Straße 30 28237 Bremen, Deutschland | 1326WL22-1830 | 8120337316 | 28.04.2022 |

| Nr. No. | Werkstoffbezeichnung Material designation | Spezifikation Specification | Lieferzustand* Delivery cond.* | Erzeugnisform Product type | Abmessungen Dimensions | | Prüfgrundlagen Test specifications | Bemerkungen Remarks |
|--|---|--------------------------------|-----------------------------------|---|----------------------------|--|--|--|
| | | | | | Dicke Thickness [mm] | Ø / Gewicht Ø / Weight [mm] / [kg] | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 / 8 | 9 | 10 |
| 2.2 | P235GH (1.0345) P265GH (1.0425) P295GH (1.0481) P355GH (1.0473) | DIN EN 10028-2 | +N | Band und Blech aus Band Strip and plate from strip | 1,5 - 25 | | AD 2000-Merkblatt W1, AD 2000-Merkblatt W10, TRD 101 | |
| 2.3 | P275NH (1.0487) P275NL1 (1.0488) P275NL2 (1.1104) P355N (1.0562) P355NL1 (1.0562) P355NL2 (1.1106) | DIN EN 10028-3 1) | +N | Band und Blech aus Band Strip and plate from strip | 1,5 - 25 | | AD 2000-Merkblatt W1, AD 2000-Merkblatt W10, TRD 101 | 1) In Verbindung mit dem VdTÜV Werkstoffblättern 352/1 und 354/1 1) In according with VdTÜV Werkstoffblättern 352/1 und 354/1 |
| 2.4 | P235S (1.0112) P265S (1.0130) P275SL (1.1100) | DIN EN 10207 | +N | Band und Blech aus Band Strip and plate from strip | 1,5 - 25 | | AD 2000-Merkblatt W1, AD 2000-Merkblatt W10, TRD 101 | |
| 3 Werkstoffe nach anderen Standards, Technische Regeln / Materials according to other standards, technical rules | | | | | | | | |

Erläuterung / Explanation:

* +AT = Lösungsgeglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized forming, +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered,

+M = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)