



Industrie Service

CERTIFICATE

The Company

North American Stainless
6870 Highway 42 East
Ghent, KY 41045-9615
USA



has been audited and approved as manufacturer according to

AD 2000-Merkblatt W0

The scope of the audit and other relevant data are detailed in our report No. DS 1000771.

The company

- has facilities permitting manufacturing and inspection in compliance with the current technical standards
- operates a quality system which guarantees that manufacturing and inspection of the products stated in our report are in conformity with the technical rules and standards,
- employs qualified supervisory and inspection personnel.

The certificate expires in March 2013.

Munich, 04.05.2010

TÜV SÜD Industrie Service GmbH
Zertifizierungsstelle für Druckgeräte

(M. Sigl)

Notified Body, No. 0036

TÜV SÜD Industrie Service GmbH, Abteilung Werkstoff- und Schweißtechnik
Westendstrasse 199, 80686 München



Industrie Service

**Geltungsbereich der Überprüfung als Hersteller von Werkstoffen für überwachungsbedürftige Anlagen
Scope of the Approval - Manufacturing of Base Material used for Regulated Pressure Equipment**

**Anlage zum Bestätigungsschreiben
Annex to Manufacturer's Approval**

| Hersteller/ Manufacturer: | | Name: Straße/Street: Ort/City: | | North American Stainless 6870 Highway 42 East Ghent, KY – USA | | Nationalität/ Nationality: | | Datum/ Date: | | Blatt-Nr./ Page No. | | Zertifizierungsstelle für Druckgeräte Benannte Stelle, Kennnummer / Notified Body, No. - 0036 - Abteilung Anlagentechnik / Department Plant Engineering | | |
|--|--|--|---------|---|--|-------------------------------|------|-------------------------|------|--|---------------|--|--------------|--|
| | | | | | | USA | | 04.05.2010 | | 1 von/of 1 | | | | |
| Ifd. Nr. | Werkstoffbezeichnung/ Material Name Werkstoff-Nr./ Material No. | Werkstoff- Spezifikation Material Specification | | Liefer- zustand Delivery Condition* | Prüfgegenstand Erzeugnisform / Production Form Begriff / Name | Abmessungen Dimensions | | | | Gewicht Weight max. 1 = t 2 = kg | | Prüfgrundlagen/ Anforderungen Technische Regeln / Technical Requirements | | Bemerkungen Notes |
| | | Art/Spec. | Nr./No. | | | Dicke [mm] Thickness | | Width [mm] Breite | | ↓ | Wert value | Art./ Spec. | Nr. / No. | |
| 1 | 2 | 3a | 3b | 4 | 5 | 6a | 6b | 7a | 7b | 8a | 8b | 9a | 9b | 11 |
| 01 | 1.4307 | EN | 10028-7 | G | sheet, coil, plate | 0.37 | 63.5 | 19.5 | 1524 | -- | -- | AD 2000 | W2/W10 | For hot rolled coil with thickness >12mm a Particular Material Appraisal is required. For hot rolled plate with thickness >30mm a 3.2 certificate is required |
| 02 | 1.4404 | EN | 10028-7 | G | sheet, coil, plate | 0.37 | 63.5 | 19.5 | 1524 | -- | -- | AD 2000 | W2/W10 | |
| 03 | 1.4301 | EN | 10028-7 | G | sheet, coil, plate | 0.37 | 63.5 | 19.5 | 1524 | -- | -- | AD 2000 | W2/W10 | |
| 04 | 1.4541 | EN | 10028-7 | G | sheet, coil, plate | 0.37 | 40 | 19.5 | 1524 | -- | -- | AD 2000 | W2/W10 | |
| | | | | | | | | | | | | | | A.-Nr. / Order No.: DS1000771 v. / dated 04.05.2010 |
| <p>Erläuterungen / Notes: A = Lösungsgeglüht und abgeschreckt/solution annealed and quenched L = Lösungsgeglüht/solution annealed N = Normalgeglüht / normalized S = Spannungsarmgeglüht/stress relieved TM = Thermomech. behandelt/ thermomech. treated U = Ungeglüht/not annealed V = Vergütet /quenched and tempered CR = Temperaturgeregelt warmumgeformt/ temperature controlled hot formed (controlled rolled) G = Weichgeglüht /annealed a = Werkstoffbezeichnung in Spalte 11/material designation in column 11 b = Lieferzustand in Spalte 11 / delivery condition in column 11 c = Prüfgegenstand in Spalte 11 / object in column 11 d = Abmessung in den Technischen Regeln / dimensions acc. to technical rules e = Gewicht in den Technischen Regeln /weight acc. to technical rules f = Nr. der Technischen Regeln in Spalte 11/No. of the technical rules in column 11</p> | | | | | | | | | | | | | | |



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen für überwachungsbedürftige Anlagen
Scope of the Approval - Manufacturing of Base Material used for Regulated Pressure Equipment

Anlage zum Bestätigungsschreiben
Annex to Manufacturer's Approval

| | | | | | | |
|------------------------------|--------------------------------------|---|------------------------------|----------------|------------------------|---|
| Hersteller/ Manufacturer: | Name: Straße/Street: Ort/City: | North American Stainless 6870 Highway 42 East Ghent, KY – USA | Nationalität/ Nationality | Datum/ Date | Blatt-Nr./ Page No. | Zertifizierungsstelle für Druckgeräte Benannte Stelle, Kennnummer / Notified Body, No. - 0036 - Abteilung Festigkeit und Zuverlässigkeit / Department Materials and Structural Integrity |
| | | | USA | 04.05.2010 | 1 von/of 1 | |

| lfd. Nr. | Werkstoffbezeichnung/ Material Name Werkstoff-Nr./ Material No. | Werkstoff- Spezifikation Material Specification | | Liefer- zustand Delivery Condition* | Prüfgegenstand Erzeugnisform / Production Form Begriff / Name | Abmessungen Dimensions | | | | Gewicht Weight max. | | Prüfgrundlagen/ Anforderungen Technische Regeln / Technical Requirements | | Bemerkungen Notes |
|-------------|--|--|---------|--|--|----------------------------|------------|-------------------------|------------|---------------------------|---------------|---|--------------|---|
| | | Art/Spec. | Nr./No. | | | Dicke [mm] Thickness | | Width [mm] Breite | | ↓ | Wert value | Art./ Spec. | Nr. / No. | |
| | | | | | | von/ from | bis/ to | von/ from | bis/ to | | | | | |
| 1 | 2 | 3a | 3b | 4 | 5 | 6a | 6b | 7a | 7b | 8a | 8b | 9a | 9b | 11 |
| 01 | 1.4301 | EN | 10272 | G | Bar | 5.5 | 131 | | | -- | -- | AD 2000 | W2/W10 | <p>The limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the notified body in charge.</p> <p>A.-Nr. / Order No.: DS1000771 v. / dated 04.05.2010</p> |
| 02 | 1.4404 | EN | 10272 | G | Bar | 4.7 | 40 | | | | | AD 2000 | W2/W10 | |
| 03 | 1.4307 | EN | 10272 | G | Bar | 4.7 | 40 | | | | | AD 2000 | W2/W10 | |

Erläuterungen / Notes: A = Lösungsgeglüht und abgeschreckt/solution annealed and quenched L = Lösungsgeglüht/solution annealed N = Normalgeglüht / normalized S = Spannungsarmgeglüht/stress relieved TM = Thermomech. behandelt/ thermomech. treated U = Ungeglüht/not annealed V = Vergütet /quenched and tempered CR = Temperaturgeregelt warmumgeformt/ temperature controlled hot formed (controlled rolled) G = Weichgeglüht /annealed a = Werkstoffbezeichnung in Spalte 11/material designation in column 11 b = Lieferzustand in Spalte 11 / delivery condition in column 11 c = Prüfgegenstand in Spalte 11 / object in column 11 d = Abmessung in den Technischen Regeln / dimensions acc. to technical rules e = Gewicht in den Technischen Regeln /weight acc. to technical rules f = Nr. der Technischen Regeln in Spalte 11/No. of the technical rules in column 11