

TÜV SÜD Czech s.r.o.
 Notified body for pressure equipment (2014/68/EU)
 Notified body 1017



Czech



1 **Zertifikat / Schweisser - prüfungsbescheinigung**

- 2 Zertifikat Nr. 13.354.832
- 3 Bezeichnung(en): **ISO 9606-1 111 T BW/FW FM1 C s12 D50.0 J-L045 ss nb**
- 4 WPS-Bezug: 315/20 Prüfstelle: TÜV SÜD Czech
- 5 Name des Schweißers: **Martin BEJLEK**
- 6 Legitimation: 206987820
- 7 Art der Legitimation: Personalausweis
- 8 Geburtsdatum und -ort: 1977-04-19, Hořovice
- 9 Arbeitgeber: OSVČ
- 10 Vorschrift/Prüfnorm: PED 2014/68/EU, HP3, TRD 201 für bestehende Anlagen, EN 12732, DVGW GW 350, EN ISO 9606-1:2017
Prüfung unter Baustellenbedingungen gem. DVGW GW 350.
- 11 Ergänzende Kehlnahtprüfung: Ja
- 12 Fachkunde: Beständen

| 13 | Prüfstück | Geltungsbereich |
|----|---|----------------------------------|
| 14 | Schweißprozess(e); 111 Lichtbogenhand | 111 |
| 15 | Art des Werkstoffüberganges - | - |
| 16 | Produktform (Blech od. Rohr) T Rohr | T, P, Rohrwinkel ≥ 60° |
| 17 | Nahtart BW Stumpfnah | BW, FW |
| 18 | Werkstoffgruppe(n) 1.1 | 1 - 11 |
| 19 | Schweißzusatzgruppe(n) FM1 | FM1, FM2 |
| 20 | Schweißzusatzart C | C |
| 21 | Schutzgas - | - |
| 22 | Hilfsstoffe - | - |
| 23 | Stromart und Polung DC+ (= +) | - |
| 24 | Werkstoffdicke t (mm) - | FW: ≥ 3,0 |
| 25 | Schweißgutdicke s (mm) 12,0 (≥ 3 Lagen) | ≥ 3,0; DVGW GW 350: ≥ 4,5 |
| 26 | Rohraußendurchmesser(mm) 50,0 | ≥ 25,0; DVGW GW 350: ≥ 50,0 |
| 27 | Schweißposition(en) J-L045 | Alle außer PF (S) und FW: PD (Ü) |
| 28 | Schweißnaht Einzelheiten ss nb | ss (nb, mb, gb, fb), bs |
| 29 | Mehrtragig / einlagig FW: sl | FW: sl, ml |

30 Zusätzliche Hinweise: Schweißern Test wurde unter den Bestimmungen der EN 12732, punkt 10.2 durchgeführt.
 Werkstoff: S 235. Schweißzusatz: Phoenix Cel 70

| 31 | Ausgeführt und bestanden | Nicht geprüft |
|--------------------------------|--------------------------|---------------|
| 32 Art der Prüfung | | |
| 33 Sichtprüfung | X | - |
| 34 Durchstrahlungsprüfung | X (BW) | - |
| 35 Bruchprüfung | X BW,FW | - |
| 36 Biegeprüfung | - | X |
| 37 Kerbzugprüfung | - | X |
| 38 Makroskopische Untersuchung | - | X |
| 39 Zusätzliche Prüfungen | - | X |

Name und Unterschrift:
 Ing. Radek Dolejš



TÜV SÜD Czech s.r.o.
 Notified body 1017

Gültigkeit festgelegt unter Bezug auf 9.3 a Ort, Datum: Praha, 2020-08-09
 Datum des Schweißens: 2020-08-31
 Gültig bis: 2023-08-30

40 Verlängerung der Qualifikation durch den Prüfer oder die Prüfstelle für die nächsten 2 Jahre (unter Bezug auf 9.3 b)

Bestätigung der Gültigkeit durch die Schweißaufsichtsperson oder die Prüfstelle für die folgenden 6 Monate (unter Bezug auf 9.2)

| 41 | Datum | Unterschrift | Dienststellung oder Titel |
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| Datum | Unterschrift | Dienststellung oder Titel |
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TÜV SÜD Czech s.r.o.

Notified body for pressure equipment (2014/68/EU)
Notified body 1017



Czech

1 Welder's qualification test certificate

- 2 Certificate No.: 11.481.952
- 3 Designation(s): **ISO 9606-1 111 T BW/FW FM4 B s12 D50 H-L045 ss nb**
- 4 WPS-Reference: 01/18
5 Examining body: TÜV SÜD Czech
- 6 Welder's name: **Martin BEJLEK**
- 7 Identification: 206987820
- 8 Method of identification: Identity card
- 9 Date and place of birth: 1977-04-19, Hořovice
- 10 Employer: OSVČ
- 11 Code / testing standard: PED 2014/68/EU, EN ISO 9606-1

12 Supplementary fillet weld test: Yes

13 Job knowledge: Acceptable

| 14 | Test piece | Range of qualification |
|----|---|--|
| 15 | Welding process(es); 111 MMA / SMAW | 111 |
| 16 | Transfer mode - | - |
| 17 | Product type (plate or pipe) T Pipe (Tube) | T, P, Pipe branch >=60° |
| 18 | Type of weld BW Butt weld | BW, FW |
| 19 | Parent material group(s) 6 | 1 to 11 |
| 20 | Filler material group(s) FM4 | FM1, FM2, FM3, FM4 |
| 21 | Filler material typ(s) B | B, A, RA, RB, RC, RR, R. Root only B |
| 22 | Shielding gas / flux - | - |
| 23 | Auxiliaries - | - |
| 24 | Type of current and polarity DC+ (= +) | - |
| 25 | Material thickness t (mm) - | FW: >=3,0 mm |
| 26 | Deposited thickness (mm) 12.0 (>= 3 Layers) | >= 3.0 mm |
| 27 | Outside pipe diam. (mm) 50.0 | >= 25.0 mm |
| 28 | Welding position(s) H-L045 (6G) | BW: All except PG (Vd); FW: PA, PB, PC, PE, PF |
| 29 | Weld details ss nb | ss (nb, mb, gb, fb), bs |
| 30 | Multi layer / single layer FW: sl | FW: sl, ml |

31 Additional information:
Parent metal: X10CrMoVNB9-1. Filler: FOX C9 MV

| 32 | Performed and accepted | Not tested |
|----|-----------------------------|------------|
| 33 | Type of tests | |
| 34 | Visual testing X | - |
| 35 | Radiographic testing X (BW) | - |
| 36 | Fracture test X BW,FW | - |
| 37 | Bend test - | X |
| 38 | Notch tensile test - | X |
| 39 | Macroscopic examination - | X |
| 40 | Additional tests - | X |

Name and Signature: Ing. Martin Glasi

TÜV SÜD Czech s.r.o.

Revalidation Place, date: Ústí nad Labem, 2018-01-22
method: Date of welding: 2018-01-19
9.3 a Validity until: 2021-01-18

41 Revalidation for qualification by examiner or examining body for the following 2 years (refer to 9.3 b)

Confirmation of the validity by welding coordinator / examiner or examining body for the following 6 months (refer to 9.2)

| 42 | Date | Signature | Position or title |
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| Date | Signature | Position or title |
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TÜV SÜD Czech s.r.o.

Notified body for pressure equipment (2014/68/EU)
Notified body 1017



Czech

1 Welder's qualification test certificate

- 2 Certificate No.: 11.481.953
- 3 Designation(s): **ISO 9606-1 141 T BW/FW FM4 S s12 D50 H-L045 ss nb**
- 4 WPS-Reference: 03/18
5 Examining body: TÜV SÜD Czech
- 6 Welder's name: **Martin BEJLEK**
- 7 Identification: 206987820
- 8 Method of identification: Identity card
- 9 Date and place of birth: 1977-04-19, Hořovice
- 10 Employer: OSVČ
- 11 Code / testing standard: PED 2014/68/EU, EN ISO 9606-1

12 Supplementary fillet weld test: Yes

13 Job knowledge: Acceptable

| 14 | Test piece | Range of qualification |
|---------------------------------|-------------------------|--|
| 15 Welding process(es); | 141 TIG / GTAW | 141, 142, 143, 145 |
| 16 Transfer mode | - | - |
| 17 Product type (plate or pipe) | T Pipe (Tube) | T, P, Pipe branch $\geq 60^\circ$ |
| 18 Type of weld | BW Butt weld | BW, FW |
| 19 Parent material group(s) | 6 | 1 to 11; 142 only 6 |
| 20 Filler material group(s) | FM4 | FM1, FM2, FM3, FM4 |
| 21 Filler material typ(s) | S | S, M, nm. Root only S |
| 22 Shielding gas / flux | EN ISO 14175-11 | - |
| 23 Auxiliaries | EN ISO 14175-11 | - |
| 24 Type of current and polarity | DC- (= -) | - |
| 25 Material thickness t (mm) | - | FW: $\geq 3,0$ mm |
| 26 Deposited thickness (mm) | 12.0 (≥ 3 Layers) | ≥ 3.0 mm |
| 27 Outside pipe diam. (mm) | 50.0 | ≥ 25.0 mm |
| 28 Welding position(s) | H-L045 (6G) | BW: All except PG (Vd); FW: PA,PB,PC,PE,PF |
| 29 Weld details | ss nb | ss (nb, mb, gb, fb), bs |
| 30 Multi layer / single layer | FW: sl | FW: sl, ml |

31 Additional information:
Parent metal: X10CrMoVNb9-1. Filler: C9 MV-IG

| 32 | Performed and accepted | Not tested |
|----------------------------|------------------------|------------|
| 33 Type of tests | | |
| 34 Visual testing | X | - |
| 35 Radiographic testing | X (BW) | - |
| 36 Fracture test | X BW,FW | - |
| 37 Bend test | - | X |
| 38 Notch tensile test | - | X |
| 39 Macroscopic examination | - | X |
| 40 Additional tests | - | X |

Name and Signature: Ing. Martin Glasl

TÜV SÜD Czech s.r.o.

Revalidation Place, date: Ústí nad Labem, 2018-01-22
method: Date of welding: 2018-01-19
9.3 a Validity until: 2021-01-18

41 Revalidation for qualification by examiner or examining body for the following 2 years (refer to 9.3 b)

Confirmation of the validity by welding coordinator / examiner or examining body for the following 6 months (refer to 9.2)

| 42 | Date | Signature | Position or title |
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| Date | Signature | Position or title |
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1 Welder's qualification test certificate

- 2 Certificate No.: 11.481.954
 3 Designation(s): **ISO 9606-1 141 T BW/FW FM5 S s1.5 D33 H-L045 ss nb**
 4 WPS-Reference: 05/18
 5 Examining body: TÜV SÜD Czech
 6 Welder's name: **Martin BEJLEK**
 7 Identification: 206987820
 8 Method of identification: Identity card
 9 Date and place of birth: 1977-04-19, Hořovice
 10 Employer: OSVČ
 11 Code / testing standard: PED 2014/68/EU, EN ISO 9606-1

- 12 Supplementary fillet weld test: Yes
 13 Job knowledge: Acceptable

| 14 | Test piece | Range of qualification |
|---------------------------------|-----------------|--|
| 15 Welding process(es); | 141 TIG / GTAW | 141, 142, 143, 145 |
| 16 Transfer mode | - | - |
| 17 Product type (plate or pipe) | T Pipe (Tube) | T, P, Pipe branch >=60° |
| 18 Type of weld | BW Butt weld | BW, FW |
| 19 Parent material group(s) | 8.1 | 1 to 11; 142 only 8 |
| 20 Filler material group(s) | FM5 | FM5 |
| 21 Filler material typ(s) | S | S, M, nm. Root only S |
| 22 Shielding gas / flux | EN ISO 14175-11 | - |
| 23 Auxiliaries | EN ISO 14175-11 | - |
| 24 Type of current and polarity | DC- (= -) | - |
| 25 Material thickness t (mm) | - | FW: 1,5 to 3,0 mm |
| 26 Deposited thickness (mm) | 1.5 (2 Layers) | 1.5 to 3.0 mm |
| 27 Outside pipe diam. (mm) | 33.0 | >= 25.0 mm |
| 28 Welding position(s) | H-L045 (6G) | BW: All except PG (Vd); FW: PA,PB,PC,PE,PF |
| 29 Weld details | ss nb | ss (nb, mb, gb, fb), bs |
| 30 Multi layer / single layer | FW: sl | FW: sl, ml |

- 31 Additional information:
 Parent metal: 1.4301. Filler: OK Tigrod 308L

| 32 | Performed and accepted | Not tested |
|----------------------------|------------------------|------------|
| 33 Type of tests | | |
| 34 Visual testing | X | - |
| 35 Radiographic testing | X (BW) | - |
| 36 Fracture test | X BW,FW | - |
| 37 Bend test | - | X |
| 38 Notch tensile test | - | X |
| 39 Macroscopic examination | - | X |
| 40 Additional tests | - | X |

Name and Signature: Ing. Martin Glasl

TÜV SÜD Czech s.r.o.

Revalidation Place, date: Ústí nad Labem, 2018-01-22
 method: Date of welding: 2018-01-19
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| 42 | Date | Signature | Position or title |
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| 42 | Date | Signature | Position or title |
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