

**The Appendix is an integral part of
Certificate of Accreditation No. 304/2024 of 27/06/2024**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

TEDIKO, s.r.o.
CAB number 1123, Testing Laboratory of TEDIKO
Pražská 5487, 430 01 Chomutov

Testing laboratory locations:

- | | |
|--|-------------------------------|
| 1. Mechanical Testing Laboratory | Pražská 5487, 430 01 Chomutov |
| 2. Metallographic Testing Laboratory | Pražská 5487, 430 01 Chomutov |
| 3. Chemistry and Corrosion Testing Laboratory | Pražská 5487, 430 01 Chomutov |
| 4. NDT Testing Laboratory | Pražská 5487, 430 01 Chomutov |

The laboratory provides opinions and interpretations of the test results.

Detailed information on activities within the scope of accreditation (determined analytes) is given in the section „Specification of the scope of accreditation“.

1. Mechanical Testing Laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Tensile test at room temperature	ČSN EN ISO 6892-1 except cl. 10.3.2	Ferrous and non-ferrous metals	-
2	Transverse tensile test	ČSN EN ISO 4136	Weld joints of metallic materials	-
3	Bend test of welds	ČSN EN ISO 5173	Weld joints of metallic materials	-
4	Bend test	ČSN EN ISO 7438	Ferrous and non-ferrous metals	-
5	Flattening test	ČSN EN ISO 8492	Ferrous and non-ferrous metals	-
6	Drift-expanding test	ČSN EN ISO 8493	Ferrous and non-ferrous metals	-
7	Fracture test	ČSN EN ISO 9017	Ferrous and non-ferrous metals	-
8	Impact bend test	ČSN EN ISO 9016	Weld joints of metallic materials	-
9	Charpy impact test	ČSN EN ISO 148-1, except KV ₈ and KU ₈	Steel	-
10	Brinell hardness test	ČSN EN ISO 6506-1	Ferrous and non-ferrous metals	-
11	Vickers hardness test HV5 to HV100	ČSN EN ISO 6507-1	Ferrous and non-ferrous metals	-
12	Hardness test of weld joints	ČSN EN ISO 9015-1	Ferrous and non-ferrous metals	-
13	Rockwell hardness test, scales A, B, C	ČSN EN ISO 6508-1	Ferrous and non-ferrous metals	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation



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2. Metallographic Testing Laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Determination of apparent grain size	ČSN EN ISO 643, cl. 7.1.2	Metallic materials	-
2	Determination of depth of decarburization by metallographic method	ČSN EN ISO 3887, cl. 4.2	Steel	-
3	Metallographic evaluation of the structure	ČSN EN ISO 945-1	Cast iron	-
4	Vickers hardness test, HV less than 0.2	ČSN EN ISO 6507-1	Metallic materials	-
5*	Evaluation of microstructure of metallographic sections	LAB-MET-PP001 (ASTM E407; ASTM E1351; ASTM E1558)	Metallic materials	-
6	Destructive tests on welds – macroscopic and microscopic examination of welds	ČSN EN ISO 17639	Steel	-

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3. Chemistry and Corrosion Testing Laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Analysis of elements by AES method	LAB-CHA-PP002 (Instruction Manual ARC-MET 8000)	Metallic materials	-
2*	Analysis of elements by AES method	LAB-CHA-PP003 (Instruction Manual PMI Master Smart)	Metallic materials	-
3*	Analysis of elements by XRF method	LAB-CHA-PP001 (User manual for manual ED-XRF spectrometer VANTA VCR)	Metallic materials	-

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Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
1	Elements: C, Cr, Mn, Mo, Ni, Si, V
2	Elements: C, Cr, Mn, Mo, Ni, V
3	Elements: Cr, Mn, Mo, Ni, Si, V



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4. NDT Testing Laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1*	Radiographic test	ČSN EN 12681-1; ČSN EN ISO 5579; ČSN EN ISO 17636-1	Materials, parts, machines and equipment	-
2*	Ultrasonic test, including thickness measurement	ČSN EN 10160; ČSN EN 10228-3; ČSN EN 10228-4; ČSN EN 10307; ČSN EN 10308; ČSN EN 12680-2; ČSN EN 12680-3; ČSN ISO 9764; ČSN ISO 17577; ČSN EN ISO 10863; ČSN EN ISO 16809; ČSN EN ISO 16810; ČSN EN ISO 16828; ČSN EN ISO 17640	Materials, parts, machines and equipment	-
3*	Magnetic particle test	ČSN EN 1369; ČSN EN 10228-1; ČSN EN ISO 9934-1; ČSN EN ISO 17638	Magnetic materials, parts, machines and equipment	-
4*	Penetrant test	ČSN EN 1371-1; ČSN EN 1371-2; ČSN EN 10228-2; ČSN ISO 9916; ČSN EN ISO 3452-1	Materials, parts, machines and equipment	-
5*	Visual test	ČSN EN 1370; ČSN EN 13018; ČSN EN ISO 17637	Materials, parts, machines and equipment	-
6*	Leakage test	ČSN EN 1593; ČSN EN 1779; ČSN EN 13184; ČSN EN ISO 20485	Materials, parts, machines and equipment	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
7*	Eddy current test	NDT-ET-PP-015 (ČSN EN ISO 15549; ASTM E543; ASME CODE V, chap. 8); NDT-MFL-PP-001 (ASTM E570); NDT-RFT-PP-002 (ASTM E2096; ASME CODE V, chap. 17; Inspection Procedure of Ferrous Tubing using the MS 5700 and 5800 RFT instrument, Rev. B); ČSN EN ISO 15549; PN 01 5059	Metallic materials, components of machines and equipment	-

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Explanatory notes and abbreviations:

- AES – Atomic Emission Spectrometer
- ASME CODE – American Technical Standard
- ASTM – American Technical Standard
- ET – Eddy Current Testing
- LAB-CHA-PP – Internal Methodical Test Procedure developed by the Testing Laboratory of TEDIKO
- LAB-MET-PP – Internal Methodical Test Procedure developed by the Testing Laboratory of TEDIKO
- MFL – Magnetic Flux Leakage
- NDT-ET-PP – Internal Methodical Test Procedure developed by the Testing Laboratory of TEDIKO
- NDT-MFL-PP – Internal Methodical Test Procedure developed by the Testing Laboratory of TEDIKO
- NDT-RFT-PP – Internal Methodical Test Procedure developed by the Testing Laboratory of TEDIKO
- PN – Company Standard
- RFT – Remote Field Eddy Current Testing
- XRF – X-ray fluorescence spectrometry

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."

