

**Appendix is an integral part of
Certificate of Accreditation No. 367/2022 of 14/07/2022**

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

ŠKODA JS a.s.
Material Laboratories
Orlík 266/15, Bolevec, 316 00 Plzeň

Testing laboratory locations:

- | | | |
|---|--------------------------------------|-------------------------------------|
| 1 | Mechanical Testing Laboratory | Orlík 266/15, Bolevec, 316 00 Plzeň |
| 2 | Metallography | Orlík 266/15, Bolevec, 316 00 Plzeň |

The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.

Updated list of activities carried out within the flexible scope of accreditation is available in the laboratory from the Laboratory Manager.

The laboratory provides expert opinions and interprets test results.

1. Mechanical Testing Laboratory

Tests:

Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
1.	Tensile test	ČSN EN ISO 4136 ČSN EN ISO 5178 ČSN EN ISO 5178:2011 ČSN EN ISO 6892-1 ČSN EN ISO 6892-2 ČSN EN ISO 6892:2011 ASTM A 370, Sec. 7 to 14 ASTM E 21 GOST 1497 GOST 6996, chap. 1 to 4, 8 GOST 9651 GOST 10006 SA-370, edition 2013, Sec. 5 - 13	Metallic materials
2.	Impact test	ČSN 42 0382 ČSN 42 0383 ČSN 42 0350 ČSN EN ISO 148-1, except KV ₈ and KU ₈ ČSN EN ISO 9016 GOST 6996, chap. 1 to 3, 5, 6 GOST 9454	Metallic materials
3.	Bend test	ČSN EN ISO 5173 ČSN EN ISO 7438 ASTM A 370, Sec. 15 GOST 6996, chap. 1 to 3, 9 GOST 14019	Metallic materials

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
4.	Brinell hardness test	ČSN EN ISO 6506-1 ASTM A370, Sec. 17 GOST 9012	Metallic materials
5.	Vickers hardness test	ČSN EN ISO 6507-1 GOST 2999	Metallic materials
6.	Rockwell hardness test	ČSN EN ISO 6508-1 ASTM A370, Sec. 18 GOST 9013	Metallic materials
7.	Hardness test of weld joints and weld deposits	ČSN EN ISO 9015-1 GOST 6996, chap. 1 to 3, 7	Metallic materials

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 edition of the specified procedure is used (including any changes).

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 to 7

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Explanations and abbreviations:

ASTM - American Society for Testing and Materials
GOST - Soviet Union / Russian Federation state standard
KV, KU - Absorbed energy

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2. Metallography

Tests:

Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
1.	Metallographic determination of non-metallic intrusions	ČSN ISO 4967 ASTM E 45 GOST 1778	Metallic materials
2.	Determination of apparent grain size	ČSN EN ISO 643 ASTM E 112 GOST 5639	Metallic materials
3.	Examination of macrostructure	ČSN 42 0467 ASTM E 340 ASTM E 381 GOST 10243	Metallic materials
4.	Examination of macrostructure and microstructure of welds	ČSN EN ISO 17639 ČSN EN ISO 5817 ČSN EN ISO 13919-1 ČSN EN ISO 13919-2 ČSN EN ISO 10042 ČSN EN ISO 6520-1 PN AE G-7-010-89 ČSN EN 1321:1998	Metallic materials
5.	Microscopic measurement of layer thickness	ČSN EN ISO 1463	Metallic materials
6.	Test of resistance to intergranular corrosion	ČSN EN ISO 3651-2 ASTM A 262 ASTM A 763 GOST 6032, except chap. 9 GOST 6032-84, except chap. 6 GOST 6032-89, except chap. 6 GOST 6032-2003, except chap. 7 RCC-M MC 1310	Steel
7.*	Determination of delta-ferrite content by ferritometer	IP Ae 1736 F (ČSN EN ISO 8249, chap. 8)	Metallic materials
8.	Micro-hardness test	ČSN EN ISO 6507-1 ČSN EN ISO 9015-2	Metallic materials

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

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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 edition of the specified procedure is used (including any changes)

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 to 8

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Explanations and abbreviations:

- ASTM - American Society for Testing and Materials
- GOST - Soviet Union / Russian Federation state standard
- IP Ae - Internal Procedure (internal test procedure of the Material Laboratory)
- PN AE - Rules and standards for nuclear power engineering – issued by National Commission of Russian Federation for surveillance of safe work in nuclear power - Moscow, Energoatomizdat 1991
- RCC-M French design and construction rules for mechanical components of PWR nuclear islands