

**The Appendix is an integral part of
Certificate of Accreditation No. 635/2022 of 20/12/2022**

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

Vysoká škola báňská - Technická univerzita Ostrava
SIMD Testing Laboratory
Studentská 6203/19, 708 33 Ostrava-Poruba

Tests:

Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
1	Tensile test	SOP -01 (ČSN EN ISO 6892-1)	Metallic materials
2	Hardness test		
2.1	- Vickers method	SOP -02 (ČSN EN ISO 6507-1)	Metallic materials
2.2	- Brinell method	SOP -02 (ČSN EN ISO 6506-1)	Metallic materials
2.3	- Rockwell method	SOP -02 (ČSN EN ISO 6508-1)	Metallic materials
3	Determination of micro- cleanliness	SOP -04 (ČSN ISO 4967)	Metallic materials
4	Determination of grain size	SOP -05 (ČSN EN ISO 643, ASTM E 112)	Metallic materials
5	Fracture toughness test	SOP -06 (ČSN 42 0347, ČSN EN ISO 12737, ASTM E 399, ASTM E 1820)	Metallic materials
6	Charpy impact test	SOP -07 (ČSN EN ISO 148-1, ČSN 42 0382, ČSN 42 0383, ČSN EN ISO 9016)	Metallic materials
7	Macroscopic and microscopic inspection of structure	SOP -09 (ČSN EN ISO 17639)	Metallic materials
8	Fatigue and crack growth test	SOP -10 (ČSN 42 0363, ČSN ISO 1352, ČSN ISO 12108, ASTM E 466, ASTM E 647)	Metallic materials

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
9	Bend test	SOP -12 (ČSN EN ISO 7438, ČSN EN ISO 5173)	Metallic materials
10 *	Determination of residual stress of a railway wheel by cutting method	SOP -13 (ČSN EN 13262, chap. 4.5, Annex C)	Railway wheels
11	Test of resistance to intergranular corrosion	SOP-15 (ČSN EN ISO 3651-2)	Steel

- 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)

Explanations:

SOP – Standard Operating Procedure

ASTM – US standard