

**The Appendix is an integral part of  
Certificate of Accreditation No. 647/2023 of 04/12/2023**

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

**Vysoká škola báňská - Technická univerzita Ostrava**  
CAB number 1691, SIMD Testing Laboratory  
Studentská 6203/19, 708 33 Ostrava-Poruba

**Tests:**

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Subject of the test	Degrees of freedom <sup>3</sup>
1	Tensile test	SOP -01 (ČSN EN ISO 6892-1; ČSN EN ISO 6892-2; ČSN EN ISO 4136; ČSN EN ISO 5178)	Metallic materials	-
2	Vickers hardness test	SOP -02 (ČSN EN ISO 6507-1; ČSN EN ISO 9015-1; ČSN EN ISO 9015-2)	Metallic materials	-
3	Brinell hardness test	SOP -02 (ČSN EN ISO 6506-1; ČSN EN ISO 9015-1)	Metallic materials	-
4	Rockwell hardness test	SOP -02 (ČSN EN ISO 6508-1)	Metallic materials	-
5	Determination of micro-cleanliness	SOP -04 (ČSN ISO 4967)	Metallic materials	-
6	Determination of grain size	SOP -05 (ČSN EN ISO 643; ASTM E 112)	Metallic materials	-
7	Fracture toughness test	SOP -06 (ČSN 42 0347; ČSN EN ISO 12737; ASTM E 399; ASTM E 1820)	Metallic materials	-
8	Charpy impact test	SOP -07 (ČSN EN ISO 148-1; ČSN 42 0382; ČSN 42 0383; ČSN EN ISO 9016)	Metallic materials	-
9	Macroscopic and microscopic inspection of structure	SOP -09 (ČSN EN ISO 17639; ČSN EN ISO 6520-1; ČSN EN ISO 5817)	Metallic materials	-

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10	Fatigue and crack growth test	SOP -10 (ČSN 42 0363; ČSN ISO 1352; ČSN ISO 12108; ASTM E 466; ASTM E 647)	Metallic materials	-
11	Bend test	SOP -12 (ČSN EN ISO 7438; ČSN EN ISO 5173)	Metallic materials	-
12*	Determination of residual stress of a railway wheel by cutting method	SOP -13 (ČSN EN 13262, chap. 4.5, Annex C)	Railway wheels	-
13	Test of resistance to intergranular corrosion	SOP-15 (ČSN EN ISO 3651-2)	Steel	-

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

<sup>2</sup> 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)

<sup>3</sup> the laboratory does not apply a flexible approach to the scope of accreditation

**Explanations:**

ASTM – American Society for Testing and Materials