

**The Appendix is an integral part of  
Certificate of Accreditation No. 539/2021 of 19/10/2021**

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

**Výzkumný ústav maltovin Praha, s.r.o.**  
Testing Laboratory  
Na Cikánce 614/2, Radotín, 153 00 Praha 5

*The Laboratory provides expert opinions and interprets test results.*

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
1	Determination of water-soluble chromium (Cr <sup>6+</sup> ) content in cement and cement-containing preparations by photometry	SOP-Z-01 (ČSN EN 196-10)	Cement and cement-containing preparations
2	Determination of Ag, Al, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sr, Zn by flame AAS method	SOP-Z-02.1 (ČSN ISO 7980, ČSN ISO 9964-1, ČSN ISO 9964-2, ČSN ISO 9964-3, ČSN ISO 8288, Manual to AAS SOLAAR)	Drinking and waste water, aqueous extracts of building materials <sup>3</sup>
3	Determination of Cd, Co, Cr, Cu, Ni, Pb by flameless AAS method	SOP-Z-02.2 (ČSN EN ISO 15586, Manual to AAS SOLAAR)	Drinking and waste water, aqueous extracts of building materials <sup>3</sup>
4	Gravimetric determination of non-biomass content by selective dissolution method and determination of biomass content and other parameters by calculation from measured values <sup>4, 5</sup>	SOP-Z-03 (ČSN EN ISO 21644, Annex B)	Solid recovered fuels (SAF)
5	Determination of total water content by gravimetry	SOP-Z-03, cl. 5.2 (ČSN P CEN/TS 15414-1)	Solid recovered fuels (SAF)
6	Determination of ash by gravimetry	SOP-Z-03, cl. 5.4 (ČSN EN ISO 21656)	Solid recovered fuels (SAF)
7	Determination of pH by potentiometry	SOP-Z-04 (ČSN ISO 10523)	Drinking and waste water, aqueous extracts of building materials <sup>3</sup>
8	Determination of conductivity	SOP-Z-05 (ČSN EN 27888)	Drinking and waste water, aqueous extracts of building materials <sup>3</sup>
9	Determination of ammonium (NH <sub>4</sub> <sup>+</sup> ) by photometry	SOP-Z-06 (ČSN ISO 7150-1)	Drinking and waste water, aqueous extracts of building materials <sup>3</sup> and power industry by-products (VEP)
10	Determination of carbon content by combustion method by infrared spectrometry	SOP-Z-03, cl. 5.5 (ČSN EN ISO 21663, Manual to the ELTRA CS500 analyzer)	Solid recovered fuels (TAP)

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
11	Determination of particle distribution and measurement of particle size on the principle of laser beam diffraction	SOP-Z-07 (Operating instructions Analysette 22 Laser Particle Sizer FRITSCH Nano Tec, Software manual Mas Control Analysette 22)	Solid materials (0.01 µm to 2,100 µm particles)

- <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 edition of the specified procedure is used (including any changes)
- <sup>3</sup> aqueous extract according to the MoE Regulation No. 294/2005 Coll., tab. 2.1, Regulation No. 273/2021 Coll., Annex 5, Annex 6, Annex 10 or according to the MoH Regulation No. 409/2005 Coll.
- <sup>4</sup> biomass content expressed in % of total carbon; calorific value of biomass fraction; calorific value of non-biomass fraction; biomass content expressed as a percent of calorific value; non-biomass content expressed as a percent of calorific value; emission factor (CO<sub>2</sub>) of the whole sample
- <sup>5</sup> laboratory determination of calorific value and heat of combustion is subcontracted to an accredited testing laboratory

**Abbreviations:**

SOP-Z Standard Operating Procedure - Testing procedure (internal testing procedure prepared by the testing laboratory)

