The Appendix is an integral part of
Certificate of Accreditation No. 213/2021 of 07/04/2021

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

ORGREZ, a.s.
Most Testing Laboratory
Budovatelů 2531, 434 01 Most

Testing laboratory locations:

1. **Most Laboratory** Budovatelů 2531, 434 01 Most
2. **Reference Testing Unit** Elektrárna Počerady, čp. 57, 439 44 Počerady

The Laboratory is qualified to carry out independent sampling.

1. **Most Laboratory**

Tests:

Ordinal number[1]	Test procedure/ method name	Test procedure/ method identification [2]	Tested object
1.1	Determination of water content by gravimetry	SOP 407/81 (ČSN 44 1377, ČSN EN ISO 18134-1)	Solid fuels, biofuels
1.2	Determination of ash content by gravimetry	SOP 408/81 (ČSN ISO 1171, ČSN 44 1310)	Solid fuels
1.3	Determination of ash and water by TGA method	SOP 412/81 (ČSN 44 1377, ČSN ISO 1171, ČSN EN ISO 18134-3, ČSN EN ISO 18122, ČSN 44 1310, ČSN EN ISO 16993)	Solid fuels, biofuels
1.4	Determination of volatile matter in solid fuels by TGA method	SOP 406/81 (ČSN ISO 562, ČSN ISO 5071-1, ČSN 44 1310)	Solid fuels
1.5	Determination of gross calorific value by calorimetry and calculation of net calorific value	SOP 409/81 (ČSN ISO 1928, ČSN EN ISO 18125, ČSN 44 1310, ČSN EN ISO 16993)	Solid fuels, biofuels
1.6	Determination of carbon, sulphur and hydrogen by NDIR spectrometry and oxygen by calculation	SOP 415/81, part A, C (ČSN ISO 29541, ČSN EN ISO 16948, ČSN ISO 19579, ČSN EN ISO16994, p. 4.4, ČSN 44 1310, ČSN EN ISO 16993)	Solid fuels, biofuels, residue after combustion [2)]

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Ordinal number[1]	Test procedure/ method name	Test procedure/ method identification [2]	Tested object
1.7	Determination of nitrogen content by TCD method	SOP 415/81, part B (ČSN ISO 29541, ČSN EN ISO 16948, ČSN 44 1310, ČSN EN ISO 16993)	Solid fuels, biofuels
1.8	Determination of the content of mercury in solid and liquid samples by atomic absorption spectrometry on the analyzer AMA 254	SOP 421/81 (ČSN 44 1393, ČSN 75 7440, ČSN 44 1310, ČSN EN ISO 16993)	Solid fuels, biofuels, residue after combustion, liquid samples
1.9	Determination of chlorine in solid fuels, biofuels, and solid residue after combustion by potentiometric titration using ISE	SOP 419/81 (ČSN ISO 587, ČSN EN ISO 16994, ČSN ISO 6227, ČSN 44 1310, ČSN EN ISO 16993)	Solid fuels, biofuels, residue after combustion
2.1	Determination of concentration of PM_{10}, $PM_{2.5}$, $PM_{1.0}$ and SPM by gravimetry and mass concentration of metals by calculation from measured values (As, Be, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, V, Zn) [4]	SOP 103/81, part B and C (ČSN EN 12341, ČSN EN 14902, EPA 29)	Ambient air, immissions
2.2*	Determination of concentration of SO_2 by automatic fluorescence analyzers	SOP 101/81 (ČSN EN 14212)	Ambient air, immissions
2.3*	Determination of concentration of NO, NO_2 and NO_X by automatic chemiluminescence analyzers	SOP 102/81 (ČSN EN 14211)	Ambient air, immissions
2.4*	Determination of concentration of PM_{10}, $PM_{2.5}$, $PM_{1.0}$ and SPM by automatic analyzers by optical radiometry	SOP 104/81 (ČSN EN 12341)	Ambient air, immissions

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Ordinal number[1]	Test procedure/ method name	Test procedure/ method identification [2]	Tested object
2.5	Determination of mass of dustfall by gravimetry	SOP 105/81, part B (Government Regulation No. 350/2002 Coll., Annex No. 6, part C)	Ambient air, immissions
2.6*	Particle sizing by laser diffraction particle counter	SOP No. 106/81 (GRIMM manual)	Ambient air, immissions
2.7*	Determination of concentration of gaseous mercury using CVAFS	SOP No. 108/81 (ČSN EN 15852)	Ambient air, immissions

[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)

[3] at the tested object indicates that the Laboratory carries out only the determination of carbon and sulphur content in the solid combustion residue

[4] at the test procedure name indicates that the laboratory determination of an analyte in the sample is subcontracted to an accredited laboratory

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification [1]	Sampled object
3.1	Sampling of ambient air for the determination of mass concentration of dust and determination of metals (As, Be, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, V, Zn) by catching on a filter	SOP 103/81, part A (ČSN EN 12341, ČSN EN 14902, EPA 29)	Ambient air (immissions)
3.2	Sampling of dustfall for the determination of mass of dustfall	SOP 105/81, part A (Government Regulation No. 350/2002 Coll., Annex No. 6, part C)	Ambient air (immissions)

[1] If the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes).

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2. **Reference Testing Unit**

Tests:

Ordinal number [1]	Test procedure/ method name	Test procedure/ method identification [2]	Tested object
1.1	Determination of water content by gravimetry	SOP 407/81, Chapter 4.1 (ČSN 44 1377)	Solid fuels

[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)

List of used abbreviations:

CVAFS Cold Vapor Atomic Fluorescence Spectrophotometry
EPA U.S. Environmental Protection Agency
ISE Ion Selective Electrode
NDIR Non Dispersive Infrared Spectrometry
PM_{10} fraction of aerosol particles (aerodynamic diameter lower than 10 µm)
$PM_{2.5}$ fraction of aerosol particles (aerodynamic diameter lower than 2.5 µm)
$PM_{1.0}$ fraction of aerosol particles (aerodynamic diameter lower than 1 µm)
SOP Standard Operating Procedure
SPM Suspended Particulate Matter
TCD Thermal Conductivity Detection
TGA Thermogravimetric Analysis