

LABORATORY ANALYSIS FOR HEAT AND POWER INDUSTRY

**Accredited
laboratory
analysis**

of solid fuels, biomass,
alternative fuels and coke

Industrial processes involving the use of any kind of fuels require reliable information on their properties, not only to secure technological safety, but also due to reporting on environmental protection.

Realization of laboratory analysis according to accredited procedures is essential for reliable results generation.

LABORATORY OF ANALYTICAL CHEMISTRY

CONTACT

The Head of the Laboratory
Edyta Misztal
phone: 4832 621 62 38
cell: 48 664 025 323
emisztal@itpe.pl

OFFER

- Complex analysis of coal, coke, solid biomass and SRF properties, including:
 - technical and elemental analysis
 - lower heating value
 - trace elements content, including Hg
 - chemical composition of ashes and characteristic fusibility temperature
 - Cl, P, F content
 - petrographic analysis
 - biodegradable fraction share in biomass and wastes
- Determination of CO₂ emission indicator
- Supervision of sampling procedures at customer's site – umpire analyses
- Training and consulting services in the field of solid fuels, quality systems and accreditation of laboratories
- Consulting services in the field of solid fuels properties



Analytical methods confirmed by accreditation certificate for ANALYTICAL LABORATORY no AB 081.



REFERENCES

Heat and power industry

(PGE Polska Grupa Energetyczna S.A., ZE PAK S.A., TAURON Wytwarzanie S.A., Spółka Energetyczna „Jastrzębie” S.A., TAURON Ciepło S.A., Veolia Energia Poznań Zespół Elektrociepłowni S.A., Nordzucker Polska S.A.)

Small and medium enterprises – fuels' producers and users

(PEC Bytom Sp. z o.o., Polcargo International Sp. z o.o., Trzuskawica S.A.)

Cokemaking and metallurgy industry

(ArcelorMittal Poland S.A., Koksownia Częstochowa Nowa Sp. z o.o., Bio-Carbo-Energy Sp. z o.o., KGHM Polska Miedź S.A., Huta Cynku „Miasteczko Śląskie” S.A., Lafarge Cement S.A.)

Mining industry

(Kompania Węglowa S.A., KHW S.A., JSW S.A., Polish brown coal mines)



APPARATUS

- Thermogravimeters: LECO TGA-501 i LECO TGA-701
- Calorimeters: LECO AC-350, LECO AC-500, IKA C 5000
- Elemental analyser LECO CHNS-628
- LECO SC-632 analyser
- Emission spectrometer with plasma excitation Thermo Scientific iCAP 6500 Duo
- Roentgen spectrometer with wave dispersion Thermo Scientific ARL OPTIM’X
- Mercury analyser Nippon Instruments Corporation MA-2
- Polarization microscope AxioImager M1m Carl Zeiss