Leakage measurements
Probably the only accredited leakage service provider for biogas plants!

- Combined measurements with hydrocarbon sensitive IR camera, portable CH$_4$ sensors and GC measurements in the laboratory!
- Based on QMaB guidelines
- Onsite diffusion control of single membrane gas holders
- Onsite diffusion control of double membrane gas holders
- Methane leakage

Our measurements are accepted as evidence in court!

Suitable for:
- Mandatory leakage control under official regulations
- Plant commissioning
- Compliance with industrial safety regulations
- Assessments under BImSchG
- Environmental assessments

The bonalytic team has been active in biogas/fermentation since 2003 and has analysed samples from well over 2,500 biogas plants.

bonalytic has been DAkkS-accredited under DIN EN ISO/IEC 17025 since 2009. The accreditation is valid for the testing procedures listed in the accreditation certificate.

Deutsche Akkreditierungsstelle
D-PL-14192-01-00

Your Complete AD/Biogas Analysis Provider:
Feedstock – Fermenter Biology – Digestate – Leakage detection
You cannot learn experience
Fermenter biology

- pH, VFA/TIC, NH$_4^+$-N
- Trace elements
- Macroelements
- Organic acids

Our fermenter biology analyses are accepted as evidence in court!

Input substances

- NIR
- Wet chemical feed value analysis

Digestate analysis

- Fertilisation value
- Plant tolerance
- Nutrient availability for plants

Accredited tests on biogas production

- Biogas yield test acc. to VDI 4630
- Biogas formation from digestate at 37 and 20°C (VDI 3475)

Our fermentation tests are accepted as evidence in court!

Suitable for:

- Control of the 1.5 % limit for the formation of residual methane from digestate
- Environmental assessments

Additional fermentation analyses

- Inhibition tests
- Hydrolysis test

Sampling

- Dry fermentation bonus (Renewable Energies Act 2009)
- Silage