

PFI Again Successful in Biogas Round Robin Tests

In 2019 – as in previous years – our laboratory once again demonstrated its wide range of analytical skills in the biogas sector. This time the principal focus was on substrate characterisation, ranging from measurement of biogas yields, trace element determination in fermenter liquors, all the way to determination of nutrients in von digestates.

Not all the results of the [KTBL-VDLUFA Biogas Yield Round Robin Test](#) conducted in 2018 were available at the time of publication of our previous Newsletter in March and we are proud to present them in this article. In addition to determination of the acidification spectrum, which we already published in March, PFI Biotechnology also successfully determined other substrate parameters such as dry matter content, ash content, crude fat, crude fibre, crude protein, and starch in the maize silages provided. We also obtained good results in the determination of biogas and biomethane yields of biomasses in static fermentation experiments. These experiments were performed with maize silage and also with pet food and cellulose as reference substance.

Our participation in the annual biogas round robin test of the [Bavarian State Institute for Agriculture \(LfL\)](#) (Bayerische Landesanstalt für Landwirtschaft, LfL) has become a valued routine, which we approach with a kind of sporting ambition. This year's round robin test groups "feed materials", "minerals", and "nutrients in residue" covered a wide range of analytical techniques. We again obtained excellent results in substrate characterisation, determination of trace elements and other elements in fermenter liquors, and in studies of residues.



Further information:

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