

PlanET process laboratory - To guarantee a strong and stable fermentation



For a successful biogas operation you need more than an anaerobic digester and good equipment. The most important actors are the microorganism, which keep the process biology moving.

Our biologist, daily examine and evaluate different samples in our PlanET process laboratory. The test results are the fundament for a optimal biogas operation and a easy commissioning.

Our service

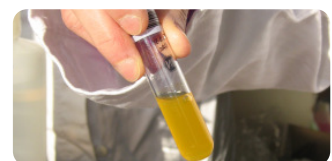
Standard analysis:

- pH-value (hydrogen ions concentration)
- EC-value (electrical conductivity, salinity)
- VOA (Volatile, organic acids)
- TIC (buffer capacity)



Additional analysis:

- Identification of the acid characteristics (acetic acid, propionic acid, butyric acid, 2 – butyric acid, valeric acid, 2 valeric acid caproic acid)
- Dry matter
- Organic dry matter
- Ammonium-nitrogen (NH₄-N)
- Fermentation test according to VDI rule 4630 (Duration:4 weeks)
- Inhibition test
- Mineral nutrients analyses



Examination of input substrates:

- Identification of the pH-value, determination of the dry matter concentration, the organic dry matter as well as calculation of the biogas yield.
- Fermentation test according to VDI rule 4630 (Duration: 4 weeks)



BioBooster
Prozess-Stabilisator

Complementary substrates for process support

BioBooster (enzymes)

Substrate S (mineral nutrients)

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