

Contact

Analysis and evaluation

We analyse

feed in accordance with the following regulations:

- VDLUFA Methods book
- AOAC
- DIN/ISO
- NorFor

We evaluate

feed in accordance with the following evaluation systems:

- GfE (German-speaking area)
- NRC 2001 (North America)
- Cornell System (CNCPS)
- NorFor System (Scand in avia)
- DVE/OEB System (Netherlands)

We issue **Results** in the following languages:

- German
- English
- Czech



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Special Analytical Services

accredited test laboratory
in accordance with D-PL-14632-01-00
DIN EN ISO/IEC 17025:2005

Status: 10/2018

Special Analytical Services

Proof of treatment of effects

(incl. product and quality control)

- Raise of RUP (by pass protein)
- Enhanced fibre digestibility (NDFD30h, NDFD120h, NDFD240h, iNDF/uNDF)
- Lower ruminal degradation of fat
- Enhanced small intestine digestion of the crude protein/ amino acid
- Proof of heat damage
- Proof of slowed N-degradation of urea (SRU)
- Lower ruminal degradation of starch

Cornell net carbohydrate and protein system V6.5

(CPM Dairy, AMTS.Cattle, NDS, DinaMilk)

- Carbohydrate fractions (A1, A2, A3, A4, B1, B2, B3, C)
- Protein fractions (A, B1, B2, B3, C)

Digestion tests

In vivo digestion tests to proof digestibility of nutrients / energy content

Determination of energy content / UCP content of new feeds

- Gas production test (HGP)
- uCP content (utilizable crude protein via modified HFT)

Proof of kernel processing for corn silage

CSPS (Corn-Silage-Processing-Score)

Proof of grinding and chopping quality of roughages and grits

- Penn State Separator (19 mm, 8 mm, 1,2 mm)
- Sieve analysis (0,5 mm, 1 mm, 2 mm, 4,5 mm)

Proof of mycotoxin pollution and effects of mycotoxin binders

Proof of DON, ZEA, T2/HT2, Ochratoxin and their metabolites in forages and urine

Assessment of microbial protein synthesis

- Proof of special fatty acids in the milk and calculation of the microbial protein
- Proof of purine derivatives a. o. (allantoin, uric acid, creatinine, hippuric acid) in urine and calculation of the microbial protein



Feeding management control

- Analysis of nutrients in mixed rations and partial mixed rations
- Tests on the mixer wagon's accuracy in mixing and distribution
- Structural effectiveness of mixed rations (peNDF)
- Determination of digestibility of organic substance in TMR (through faeces analysis)
- Determination of starch digestibility (starch content in faeces)
- Determination of fat digestibility (fat content in faeces)
- Metabolic analysis via blood, urine and top hair (energy balance, liver health, vitamin supply, acidosis/alkalosis, mineral balance)

Examinations in case of low feed intake

- Nutrient analysis (especially NDF, starch, sugar, fructans)
- Analysis of fermentation acids (lactic-, acetic-, and butyric acid)
- Alcohols (ethanol)
- Biogenic amines
- Microbiological status (yeast and mould fungi)
- NDFD (24 h, 30h, 72h, 120h, 240h)
- iNDF/uNDF

Determination of biogas / methane yield

Measurement with batch experiment for biogas