

Internationale Arbeitsgemeinschaft für Futtermitteluntersuchung (IAG)
Sektion Futtermittelmikroskopie
International Association of Feedingstuff Analysis (IAG)
Section Feedingstuff Microscopy

Meeting 2007
POTSDAM 19.06. – 21.06.2007

- Short lectures of the participants about their working – problems of the last year
- Concerning the technical lectures will be referred to the proceedings of our meeting.

- **Ringtests** (for detailed information look at the evaluation of the particular ringtest):
JØRGENSEN (DK) - "Animal protein in compound feedingstuff 2007":
45 laboratories participated .

The test samples comprised of a **compound feed for cattle**:

A 01/07: Compound feed spiked with 0,8% feather meal.

A 02/07: Compound feed spiked with 2% FM and 0,1% MMBM (bovine)

A 03/07: Compound feed for calves spiked with 4% FM

The feather meal used was not totally free from bone particles (f-factor=2).

The meat and bone meal (MMBM) was of pure bovine origin heated at 133° C with a large bone content (f-factor = 80).

The origin of the fishmeal used was unknown (f-factor = 11)

Conclusion:

The main aim of this ring test was the identification of hydrolysed feather meal. Previous ringtests showed that there are no problems in identification of MBM in very low amounts also in samples containing fishmeal.

A 01/07 (spiked with 0,8% feather meal):

Only 2 laboratories labs did not identify animal ingredients in this sample, 20 laboratories reported ingredients of MBM and 23 laboratories identified feathers as one of the animal ingredients. 2 laboratories reported false positive results for fishmeal.

A 02/07 (spiked with 2% fishmeal and 0,1% MMBM):

42 laboratories identified the low amounts of MMBM (0,1%) in the presence of 2% of fishmeal in the sample .

A 03/07 (spiked with 4% fishmeal):

5 laboratories reported false positive results for MBM

SLOOT (D) - "Identification and estimation of constituents in a mixed dairy feed" - open and halfopen declaration:25 laboratories participated.

- **01/2007 – halfopen declaration:**

According to our evaluation scheme 4 laboratories identified and estimated all ingredients correctly and 3 failed in one. 4 laboratories succeeded only in 4 ingredients.

Identifying dried sugar pulp beet was a problem for 4 laboratories.

- **02/2007 – open declaration :**

According to our evaluation scheme 16 laboratories identified and estimated all ingredients accurate. 9 laboratories failed only in one or two constituents.

FRICK (CH) – " Open declaration"

- **01/2007 - Identification and estimation of constituents of a laying hen feed:**

None of the 28 laboratories labs estimated all 7 ingredients accurately, only 4 labs succeeded in 6 constituents.

- **02/2007 - Identification and estimation of constituents of a pig feed:**

6 out of 28 laboratories estimated all 7 ingredients accurately, 10 laboratories only failed in one constituent.

WERNITZNIG (A) – 01/07 “Fertilizer- Identification and estimation of constituents in an organic fertilizer”:

All used ingredients were identified and quantified by 10 of 15 laboratories. Rape seed and pomace meal were underestimated. Poultry blood meal was slightly overestimated. Stone meal as a new constituent component was estimated quite well.

Decisions:

Ringtrials on animal constituents in compound feeding stuffs will be organized by Leo RAAMSDONK/RIKILT under the conditions known from the DPD .

Scheduled ring tests for our meeting 2008:

- open declaration – LUFA Nord-West (Oldenburg)
- ingredients of animal origin – RIKILT
- open declaration – RAP (Posieux)
- organic fertilizer – AGES (Vienna)

The following methods were decided and ready for publishing on the IAG – homepage:

- Sample Preparation for the Macroscopic and Microscopic Analysis
- Method for the Identification and Estimation of Constituents in Animal Feedingstuff
- Preparation of samples
- Determination of Datura seeds in feedingstuff

For our annual meeting 2008 we are invited to Budapest (H).

Secretary:

President:

Dr. Wernitznig

Dr. Paradies-Severin