

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

Meeting 2004
Leipzig 25.05. – 27.05.2004

- 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:

- JØRGENSEN (DK) - Results of 3 samples "MBM and fishmeal":
 - Sample A: spiked with 3% fishmeal and 0,2% MBM
 - Sample B: spiked with 0,05% MBM
 - Sample C: Blank sample
 - 30 of 38 labs responded with examination results
 - All laboratories identified MBM, in sample A (FM and MBM), only one lab did not identify fishmeal
 - Only one lab did not identify MBM in sample B (0,05%MBM), 2 labs reported also small amounts of fishmeal
 - In the blank sample C 3 labs found very small amounts of particles of animal ingredients (traces of fish, one piece of hydrolysed feathers, animal hairs and muscle fibres)
 - The different amounts of MBM in the samples were distinguished clearly and the quantification of animal ingredients was acceptable; nevertheless, the standard deviations were quite high
 - The percentage of the sediment is dependent on both - the beaker used and the sedimentation time:
 - Using a closed beaker the percentage of sediment is higher than using an open beaker
 - Standard deviation is higher when sedimentation time is < 6 minutes
 - Using a closed beaker and sedimentation time ≥6 minutes shows results mostly in accordance with the true contents of animal ingredients and the sediments have the lowest standard deviation
- FRICK (CH) - Results of 2 samples for composition of pig feed:
 - Sample A:
 - 9 of 29 labs identified and quantified all of the 6 ingredients,
 - 9 labs failed at 1 ingredient (particular not well – known ingredient like potato protein)
 - Sample B:
 - 3 of 29 labs identified and quantified all of the 7 ingredients,
 - 5 labs failed at 1 ingredient (particular not well – known ingredient like apple pomace)
- SLOOT (D) - Results of 1 sample "mixed feed for dairy"
 - 10 of 26 labs identified and quantified all of the 7 ingredients,
 - 3 labs failed only at 1 different ingredient
 - A comparison of the results with the proposals of tolerances regarding to the open declaration was made and gave a good result.
- WERNITZNIG (A) - Results of the fertilizer ringtest:
 - 2 samples of an organic fertilizer
 - the samples were spiked with
 - 5% horn shavings (sample A)
 - 5% MBM (sample B)

In sample A the plant constituents have been identified and quantified by 7 of 11 labs.

The well known components rape seed, cacao shells and sunflower seed are quantified very well. The less known pumpkin seed is quantified by only 4 labs. There were some difficulties to identify "horn shavings".

In sample B 7 of 11 labs identified and quantified the plant constituents. The components rape seed and grape seed have been quantified very well. Soybean ground was overestimated and the component „poultry dung“ was unknown.

All participating labs identified MBM in the organic fertilizer, but the amount was underestimated, perhaps caused by the unknown f-factor.

- **WEISS (A): Microscopy of Fertilizers**

Due to the different and unknown rules in the various countries we decided to interrupt the reading of the proposal for the method: “Identification and determination of roughages in plant soils” and a general discussion on microscopic analysis of plant soils and organic fertilizers shall take place at our meeting in Hamburg.

Open Declaration:

In the discussion on tolerances in regard to the open declaration in compound feed there were made two proposals:

Proposal A: Ingredient:

≤ 2% → +/- 2% a
2 – 10 % → +/- 50 % r
10 – 20% → +/- 5 % a
20 – 40% → +/- 25 % r
>40% → +/- 20 % r (10% a)

Proposal B:

< 5% → +/- 100% r
5 – 10 → +/- 5% a
10 - 20% → +/- 50% r
20 - 50% → +/- 10% a
>50% → +/- 20% r

It was decided to calculate our ring tests according to proposal B

- **Results of the election for executive committee:**

President: Dr. Inge Paradies-Severin
1. Chairman: M.Sc.(Aric) Jan-Steen Jørgensen
2. Chairman: Dr. Geneviève Frick
Secretary: Dr. Franz Wernitznig

Scheduled ring tests for our meeting 2005:

- 1 sample - open declaration / mixed feed for dairy – LUFA Nord-West (Oldenburg)
- animal ingredients – DPD (Lyngby)
- open declaration / pigfeed – RAP (Posieux)
- organic fertilizer – AGES (Vienna)
- 2 samples - Ergot – LUFA (Augustenberg) for the next meeting 2004

For our annual meeting 2005 we are invited to Rikilt, Wageningen.

Secretary:

President:

Dr. Wernitznig

Dr. Paradies-Severin

enclosed: List of participants

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