

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

Meeting 2005
Wageningen 14.06. – 16.06.2005

- 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.
- Decision: every lab could put the final edition of our IAG-flyer on his own lab-homepage

Ringtests:

- JØRGENSEN (DK) - Animal protein in compound feeding stuffs 2005”:

Sample 1: fishmeal of different origin spiked with 0,1% MMBM

- 14 laboratories did not identify MBM,
- 6 laboratories seemed that they have not identified the sample as pure fishmeal
- there was no hint, that the results are better examining many slides, because of the low amount of MBM
- failing recognising MBM is not due to using open or closed beaker

Sample 2: complete pig feed test sample spiked with 2% Fishmeal of different origin and 0,1% MMBM

- 2 laboratories did not recognise 0,1% MBM, 2 labs did not recognise 2% FM
- generally the MBM – content was slightly overestimated

Sample 3: Complete pig feed test sample spiked with 0,1% MMBM

- 2 laboratories did not recognise 0,1% MBM
- 10 labs reported very small amounts of fish ingredients, MBM was generally overestimated, higher than in sample 2

Conclusion:

- the estimated amounts of spiked animal ingredients were satisfactory although the standard deviation was rather higher
- sediment percentages were varying greatly, by using an open beaker the sediment percentage is slightly higher than using a closed one
- the standard deviation is higher using closed beakers
- compared with sample 1 (almost pure FM) estimation of MBM is higher dependent of decreasing amount of FM (2% to 0% FM)
- **if fishmeal is declared the whole sediment should be analysed**

- SLOOT (D): Open declaration – Identification and estimation of 7 ingredients:

- 6 laboratories of 25 estimated all 7 ingredients correctly, only 3 labs failed in estimation of 3 ingredients
- 13 labs failed in estimation of 1 or 2 ingredients

- FRICK (CH): open declaration:

- Sample 1 (11 ingredients): 15 labs of 24 identified and estimated all 11 ingredients well, only 3 labs failed in more than 1 ingredient.
- Sample 2 (9 ingredients): 11 labs of 24 identified and estimated all 9 ingredients well, 7 labs failed in more than 1 ingredient.

- WERNITZNIG (A): fertilizer ringtest:

- Sample 1: all 7 ingredients were identified and correctly estimated only by 1 lab of 14, there were problems in identification of “poultry dung” and in the correct classification of “ horn shavings”.

- Sample 2: all 6 ingredients were correctly estimated by 4 of 14, all labs identified and estimated MBM well; pumpkins seed was a problem furthermore.
- GÖLZ (D): 3 Samples, unpellet, spiked with Ergot (0,15%/0,25%/0,03%), 26 labs:
 - The results of 23 of 26 labs showed that the labs recognised the different amounts of sample 1 and 3.
 - Also it was recognised that sample 2 was spiked with the greatest amount of ergot.
 - The ringtest demonstrated that our microscopic examination is a effective method for quantifying ergot particles >0,5 mm in powder feeding stuff.

For the expression of our result of the ringtrials we decided to quote minerals in cumulative percentage, and not using the declaration..

Scheduled ring tests for our meeting 2006:

- 1 sample - open declaration / mixed feed for dairy – LUFA Nord-West (Oldenburg)
- 2 samples for estimation of animal ingredients – DPD (Lyngby)
- 1 sample - open declaration / pigfeed – RAP (Posieux)
- 2 samples - organic fertilizer – AGES (Vienna)

Raamsdonk (NL) reported about the trainings-courses of SANCO

For our annual meeting 2006 we are invited to Rostock (D).

Secretary:

President:

Dr. Wernitznig

Dr. Paradies-Severin

enclosed: List of participants

List of Participants
IAG Meeting and Workshop
Wageningen
14.06. - 16.06.2005

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