

**MINUTES FROM THE MEETINGS OF
AAFCO'S LABORATORY METHODS AND SERVICES COMMITTEE
During the AOAC Meeting September, 2007
at
Hyatt Regency, Anaheim CA**

Present at one or more of the three meetings were:

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Nancy Thiex opened the meeting. After introductions the following issues were covered:

Approval of Agendas – The agendas were approved (attached).

Approval of Minutes from the August Meeting –The Minutes from the meeting held August, 2007 in Grand Rapids, MI (attached) was approved with the correction that it is apramycin that can be determined together with neomycin.

Technical Presentations:

Determination of Simple Sugars and Carbohydrates in Feed and Feed Ingredients –

Michael Hvizd with Dionex, Joe Romano with Waters and Larry Tucker with Brinkman Instruments gave each gave a very informative presentation on the options for quantitating carbohydrates and simple sugars in a variety of matrices. From the presentations it became clear that in order to reach sensitivities of 1% or less by HPLC based methods required detectors such as PAD or Evaporative Light Scattering.

REPORTS/TOPICS:

Future workshops – Thiex reported that they had received 21 responses to the survey on preferred meet time and issues of interest for the workshop sponsored by Dr. Herrman with Office of Texas State Chemist. The time preference was for 1st week in June, subjects of most interest were HPLC methods for aflatoxins and fumonisin. In general the interest was moderate which fits well with the meeting capacity of approximately 20 people. The emphasis would be on hands-on training. Ogden and DeBaker offered to assist with the selection of methods covered and the organization of the workshops.

Thiex also explained that she planned to hold training courses in connection with the AOAC Mid-West Meeting held around the same time in Bozeman, Montana. The tentative agenda for the session calls for lectures on the following subjects: heavy metals testing, ICP maintenance, pipette maintenance etc. Thiex is looking for speakers and for volunteers to handle taping the presentations for future listings on appropriate web sites.

Report from the Quality Sub-Group – Brenda Snodgrass reported that the AAFCO QA Guidelines are in their final form having been updated to include the issues required for ISO 17025 accreditation. The order form can be downloaded from the web site www.aaqco.org. An electronic version can be purchased for \$25, a printed version for \$75 and both can be purchased for \$90.

It is recommended that feed labs use this guideline together with the Official ISO 17025 Guidelines when working toward ISO 1725 accreditation.

AAFCO Carbohydrate Working Group Proposal – Following the presentations from the instrument manufacturers it was agreed that the next step would involve the selection and validation of a good method for determining simple sugars in feed and feed ingredients. The quantitation of more

complex carbohydrates would be addressed at a later date. The instrument manufacturers present kindly agreed to evaluate a variety of HPLC system combinations on a sample set to be supplied by AAFCO. AAFCO would provide the manufacturers a minimum of 500 g of finely ground, uniform sample. The tentative time schedule was for AAFCO to complete the collection and distribution of the samples by end of October and the manufacturers complete their evaluations by mid-January or at least present an update at the AAFCO Mid-Year meeting.

Action Item:

- Reimann to contact key pet food and horse feed manufacturers for suggestions as to what sample types should be covered and samples of such sample types (minimum 5 lb of each). Samples should be forwarded to Thiex for grinding and distribution to the manufacturers.
- Hall to check with Dr. Fahey at U of Illinois concerning his preferred methods for carbohydrate quantitation.

AAFCO Related Web Sites – Wetzler reported that she had updated relevant AAFCO, AOAC and Food Shield web pages. It was noted that in contrast to earlier information Food Shield does not appear to have a public forum suitable for posting AAFCO related information. AOAC will only update the ag related part of the web site when spare time is available since this is considered an “unfunded” task. All sites are only accessible to registered users. People interested in having information added or updated should contact Wetzler (lwetzler@agr.ne.gov).

METHOD TOPICS

Study Updates: –

- Lasalocid Collaborative Study - ready for AOAC Committee review and vote
- Oxytetracycline Collaborative Study - ready for AOAC Committee review and vote
- Decoquinate Collaborative Study - ready for AOAC Committee review and vote
- Neomycin SLV – completed. Ready for collab study. Persons interested in participating in collab should contact Thiex.
- Multi-analyte Mycotoxin Method SLV – Completed for corn. Looking for person to drive collab study and for labs interested in participating.
- Carbadox/Pyrantel Tartrate SLV – The Needs Statement was approved as written. Sabbatini to complete SLV and seek permission from employer to head up subsequent collab study.
- Virginiamycin – Phibro is sponsoring the development of a method based on measuring virginiamycin activity in DDGS with a LOQ around 0.1PPM
- Tylosin SLV – Phillips volunteered to head up a SLV based on HPLC. He would work with Mark Coleman on Needs Sheet and literature review of available methods.
- Amprolium – Aaron Price is working on writing Method Needs statement. A volunteer to drive SLV and collab study ids needed.

Other Method Related Issues: –

- Pesticide residue screen – Cook reported that the initial question had centered around the applicability of Steven Lehotay’s pesticide residue method for feed and feed ingredients. Industry and States do not appear concerned about the residues in feeds in originating

within the US and niche organizations such as participants within the “Organic” programs do not show any significant interest.

Based on this information it was decided to downgrade the priority of this method.

Respectfully submitted,

Lars Reimann

Eurofins Scientific, Inc.

Attachments:

- Meeting Agendas
- Manufacturers’ carbohydrate presentations.
- Minutes from August meeting in Grand Rapids