

**MINUTES FROM THE MEETINGS OF
AAFCO'S LABORATORY METHODS AND SERVICES COMMITTEE**

January 30, 2008

at

Menger Hotel, San Antonio, TX

Present at the meeting were:

NAME	E-MAIL ADDRESS	ORGANIZATION
Aaron Price	pricea@inspection.gc.ca	CFIA
Amy DeBaker	Amy.debaker@wi.gov	WI Dept of Ag.
Amy Smith	amysmith@eurofinsus.com	Eurofins AvTech
Andy Crawford	ACrawford@NutroProducts.com	Nutro Products
Barb Sadler	barbara.sadler@delmonte.com	Del Monte Foods
Bill Thom	wthom@uky.edu	KY Dept of Ag.
Brian Layton	blayton@ankom.com	Ankom
Charlie Staff	Chstaf01@louisville.edu	Distillers Grain Council
Cindy McCormic	smw@otsc.tamu.edu	TX Dept of Ag
Dale Hill	Dale_Hill@ADMWorld.com	ADM
Dan Woodall	Daniel.Woodall@state.de.us	DE Dept of Ag.
Dorothy Phillips	Dorothy_J_Phillips@Waters.com	Waters Corp.
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Heidi Hickers	hhickers@mt.gov	MT Dept of Ag
John D. McCurdy	john.mccurdy@fda.hhs.gov	FDA / CVM
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Sharon Webb	Sharon.webb@uky.edu	KY Dept of Ag
Tim Herrman	tjh@otsc.tamu.edu	TX Dept of Ag
Vicki Siegel	vsiegel@purdue.edu	IN Dept of Ag

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

Approval of Agenda – The agenda was approved (attached).

Approval of Minutes from the September Meeting –The Minutes from the meeting held September 2008 in Anaheim, CA (attached) was approved

Committee Roster – Thiex distributed a copy of the roster and asked that corrections/updates be returned to her.

METHOD TOPICS

Method Progress Reports: –

- Lasalocid Collaborative Study - Voted as AOAC 1st Official Action. Method will be filed in the AAFCO Master File with assistance from Alpharma (Sandy Flick).
- Oxytetracycline Collaborative Study - Lacks final AOAC Committee review and vote. Expect it will get 1st Action approval in February. Following the award of AOAC 1st Action status the method will be filed in the AAFCO Master File with assistance from Phibro (Alex MacDonald).
- Decoquinatate Collaborative Study - Lacks final AOAC Committee review and vote. Expect it will get 1st Action approval in February. Following the award of AOAC 1st Action status the method will be filed in the AAFCO Master File with assistance from Alpharma (Sandy Flick).
- Sulfamethazine Collaborative Study – Problem with recovery of old data to include with collaborative study manuscript. Method received AOAC 1st Action status in 1999. The collaborative study manuscript will be filed in the AAFCO Master File with assistance from Elanco (Mark Coleman) without individual collaborator data since it cannot be recovered due to old version of chromatography and spreadsheet software used at the time of the study.
- Neomycin SLV – Julie Driver promised to get manuscript completed soon. Ready for collab study. Persons interested in participating in collab should contact Thiex.
- Multi-analyte Mycotoxin Method SLV – See attached update provided by Maria Ofitserova. Decided not to do more work. Will publish SLV for corn. Question if LC-MS/MS will work better – KY is checking into using this technology on corn. Issue with selection of optimal cleanup column. Iowa State researcher has reported on a screen using LC-MS/MS but have an issue with needing matrix standards. State of TX will have sabbatical person for studying this type of project. It was agreed to wait for feedback from St of TX before updating the method needs statement. Sigel will break up Ofitserova's method and validate the individual parts.
- Carbadox/Pyrantel Tartrate SLV – Jane Sabbatini hopes to complete the analytical work and writing the report by the end of March.
- Tylosin SLV – See attached update from Tommy Phillips. Question regarding the status of the Methods Needs sheet. While a version was presented at the meeting somehow the contribution from Coleman was overlooked. Price to combine the two statements.
- Virginiamycin – Phibro is sponsoring the development of a method based on measuring virginiamycin activity in DDGS with a LOQ around 0.1PPM. They are having some problems with recovery/interferences.

Other Method Related Issues:

- International Feed Safety Conference, Namur, Belgium – Thiex attended the meeting and reported that the EU is actively developing and validating methods. Their process includes the selection of a “Community Reference Lab” (Project Director) for a given method. After the collaborative process has been completed individual nations can nominate “National Reference Labs”. The community Reference lab will train and maintain/verify the proficiency of the National Reference Labs. Thiex will maintain contacts to explore how USA can “piggyback” on EU’s efforts. The group’s priority was: BSE, GMO and Mycotoxins. An example of the group’s effort can be found at <http://safeedpap.feedsafety.org/fs2007/lectures.php>. Not easy to get ISO methods transferred into the AOAC OMA. It was agreed to work with EU even if AOAC expresses disinterest in actively supporting such a relationship.
- AAFCO’s FDA Master File: Thiex reported that it will be necessary for AAFCO to have a separate Master File for each drug. McCurdy announced that there may have been a change in the appropriate FDA person to receive our request for additional Master Files. (Action Item:
 - McCurdy will update our protocol for obtaining Master Files and facilitate our acquisition of the additional Master Files.

REPORTS/TOPICS:

Changes in Official Method’s Board – Mark Coleman reported that OMB continues its process of changing organizational structure. Method committees will now be linked to specific methods. Process has started to update organizational docs (e.g., by-laws) to reflect the changes. While funding for all practical purposes will be required for getting methods into the OMA, the actual amount has not been established. However AOAC does not see OMA as critical, and is unwilling to allocate funds to correct/update it. George Latimer volunteered and has been given AOAC’s permission to correct errors and perform other basic maintenance of the OMA. Corrections on the OMA should be sent to editoma@aoac.org. Feedback regarding the changes to the AOAC structure including questions should be sent to ombfeedback@aoac.org.

It was agreed that we would proceed as planned and as part of this process learn the AOAC methods fee. It was also suggested that AAFCO and/or FDA ORA could facilitate the movement of methods through AOAC.

Report from the Quality Sub-Group – Orders for the revised QA/QC manual are as follows: Industry purchases: 1 CD, 1 hardcopy, 1 order for both CD & hardcopy; Regulatory purchases: 3 CD, 5 hardcopy, 10 orders for both CD & hardcopy.

The order form can be downloaded from the web site www.aaafco.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.

Texas Workshop – Herrman reported that Cindy McCormic would be coordinating the event with Sara Williams' support. The event is scheduled for June 3-5, 2008. 2.5 days mix of hands-on and speakers on the subject of aflatoxin and fumonisin testing. Will include demonstration of test kits. Looking for a presenter on DON. CEU's would be available for people requesting such. Restricted to 20 participants with preference for attendees associated with State labs or other public service organizations. Registration is currently available through mail-in and program updates can be found on www.otsc.tamu.edu.

Workshop w/ MWAOAC 2008 – Heidi Hickes coordinating the event scheduled for June 9-11, in Bozeman, Montana. She distributed a draft flyer (attached). As part of the meeting will be held two workshops, one on "electrodes" (covering selection of electrodes, Karl-Fisher, specific ion -, potentiometric -) and one on ICP maintenance. Looking for speakers and posters as well as "moral support" from AAFCO.

AAFCO Carbohydrate Working Group Proposal – Thiex reported that the suggested definitions had been well received at AAFCO Ingredient Definition Committee and would be voted on later during the meeting. Reimann reported that samples had been collected and submitted to Waters and Metrohm to be used as part of the method eval process. Mary Beth Hall had also offered to test the samples using enzymatic methods.

Web Sites – All docs will be placed on the AAFCO website – however it can currently only be accessed by members w/password. Request has been submitted to AAFCO for a general access area where this information could be kept.

AOAC web site has not been updated and AOAC is very slow/ unwilling to provide the resources for such activities. The suggestion was made to discontinue this web site. Request has also been placed with AOAC for a "community web page" that members can update.

For an update on foodshield.org and NFLAC websites please see attached e-mail from Carrie Rigdon. These websites are also covered by heavy security making them less applicable to host method activity web pages.

Action Item:

- Bryant to call and check into access status and report back.

Sulfur Methods for DDGs – Charles Staff outlined the growing interest in determining the sulfur content in dried distillers grain (DDG). Concerned about CV within and biases between the methods currently being used (ICP, gravimetric, combustion (Leco). While there is no sulfur method in the feed chapter of AOAC's OMA, the most commonly used method is ICP based. While based on few data points the methods seem comparable, the total CV is too large to meet industry needs. It was agreed to evaluate and improve the sulfur methods with the ultimate goal of having at least one method meeting industry needs.

Action Item:

- Crawford to review current AAFCO check sample data to extract, if possible, data as to bias and CV for the different approaches.

- Siegel to send out a DDG sample as part of the AAFCO check sample for June and include a request to the participants to determine S in this sample by as many methods as possible.
- Siegel to expand the AAFCO Check Sample method codes for sulfur testing.

Ankom Method for Fiber in DDGs – Discussion regarding the appropriate method for crude fiber in DDGs. Currently the recommended method is the AOAC 978.10 method. Ankom wishes to validate their method based on AOAC's grinding protocol which require less grinding than the grinding used for the original study. The concern is that the finer grind leads to sample loss from the Ankom filter bag with the resulting underestimation of the crude fiber content. However the finer grind is necessary for getting the precision needed when determining crude protein by combustion analysis. Ankom also wishes to validate the method for determining crude fat.

Action Item:

- Ankom to present protocol at August AAFCO meeting.

Method needs statements and Prioritization:

- Amprolium – Need to include calculation formula addressing the potency of each component.
- Tylosin – Elanco uses a HPLC based method in the EU. EU also uses a different method for assessing biological activity and does not address the urea adduct issue. Coleman to review methods need sheet against the EU methodologies.
- Bacitracin – the lowest formulated level is 4.4 ppm. There is an issue with getting a unique standard and calculate activity from HPLC profiles containing multiple peaks.
- Virginiamycin – awaiting a report from Alex MacDonald (Phibro).
- MGA – It was agreed that the method did not need to cover residue analysis – determining MGA in formulated feeds is a significant challenge in itself.
- Pesticide Multi-Analyte Method – No update from Herrman or Joann Cook
- Vitamin D – No news from Ken Riter
- Vitamin E – No news from Ken Riter
- Starch – Mary Beth Hall submitted draft for review.
- Prohibited Animal Protein – The draft provided by Herrman will be updated to reflect the AOAC guidelines for qualitative test methods. And presented at the AAFCO August meeting.
- Method prioritization for 2008. It was agreed to use the same approach that was used in 2006. . The 2008 methods prioritization will be conducted by Aaron Price.

Respectfully submitted,

Lars Reimann

Eurofins Scientific, Inc.

Attachments:

- Meeting Agenda
- Minutes from September meeting in Anaheim, CA
- Updated Committee Roster
- Mycotoxin SLV update
- Tylosin SLV update
- AAFCO Master File
- Letter to establish AAFCO Master File
- Letter to establish AAFCO Master File - Decoquinatate
- Letter to establish AAFCO Master File - Lasalocid
- Letter to establish AAFCO Master File –Oxytetracycline
- Flyer Mycotoxin workshop in Texas
- Flyer MWAOAC
- Needs Statement – Amprolium
- Needs Statement – Bacitracin
- Needs Statement – MGA
- Needs Statement – Prohibited Animal Protein
- Needs Statement – Starch
- Needs Statement - Sugars
- Needs Statement - Tylosin

- Letter to establish AAFCO Master File