

**MINUTES FROM THE MEETINGS OF
AAFCO'S LABORATORY METHODS AND SERVICES COMMITTEE
January 17, 2007 8:00-5:00
at
Hyatt Regency Hotel, Savannah, GA**

Present were:

NAME	E-MAIL ADDRESS	ORGANIZATION
Kevin Armbrust	armbrust@mscl.msstate.edu	OCS-MS
Melton Bryant	mbryant@uky.edu	University of Kentucky
Andy Crawford	nutroandy@aol.com	Nutro Products, Inc.
David Fairfield	dfairfield@ngfa.org	NGFA
Sandy Flick	sandy.flick@alpharma.com	Alpharma, Inc.
Cindi Fulk	cindi.fulk@ncmail.net	NC Dept of Ag.
Tim Herrman	tjh@otsc.tamu.edu	Off. of TX State Chemist
Rob Jeppsen	rjeppsen@albion-an.com	Albion Advanced Nutrition
Wendelyn Jones	Wendelyn.jones@syngenta.com	Syngenta
Rick Killerbrew	rkillerbrew@idahoag.us	ID Dept of Ag
Kent Kitade	kkitade@cdfa.ca.gov	CA Dept of Ag
Jenny Kvamme	jkvamme@wattnet.net	Petfood Industry
Kyung-Min Lee	kmi@otsc.tamu.edu	Off. of TX State Chemist
Aaron Price	pricea@inspection.gc.ca	CFIA
Lars Reimann	LarsReimann@EurofinsUS.com	Eurofins Scientific
Tom Robb	thomas.robb@bioenergy.abengoa.com	Abengoa R & D
Reggie Roybal	reggie.roybal@ag.state.co.us	CO dept of Ag
Eric Sespico	sespice@doacs.state.fl.us	Florida Dept of Ag
Vicki Siegel	vsiegel@purdue.edu	Office of IN State Chemist
Roy Schulze	roy.schulze@purina.nestle.com	PFI Advisor
William Seymour	William-m.seymour@dsm.com	DSM
Charles Staff	chstaf01@louisville.edu	Distiller's Grain Council
Paul Summer	summer.p@ajiusa.com	Ajinomoto USA
Richard Ten Eyck	rteneck@oda.state.or.us	OR Dept. of Ag
Nancy Thiex	Nancy.Thiex@sdstate.edu	SDSU
Shon Van Hulzen	shon.vanhulzen@broin.com	Broin Management
Elaine Wong	ewong@cdfa.ca.gov	CA Dept of Ag

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

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

Approval of Minutes from the September Meeting –The Minutes from the meetings held on September, 2006 in Minneapolis, MN (attached) was approved.

REPORTS/TOPICS:

Future workshops – Tim Herrman, TX offered to host a meeting in March, 2008. His facility can handle approx. 30 participants. He may also be able to provide “continuing education credits” to participants. It was agreed to send out a survey to determine topics of interest and to decide on topics covered at the Annual AAFCO Meeting in August, 2007.

Action Item:

- Tim Herrman to draft survey and send it to Nancy Thiex for distribution.

Report from the Quality Sub-Group – Aaron Price reported that the group had reviewed the AAFCO QC guidelines and performed a gap analysis of the document against ISO 17025. Most sections were not changed much. Appendices were updated, sections updated to include microbiological testing, and a section on “Uncertainty” was added. The question was raised as to who would accredit labs against this standard in a cost effective manner similar to how AAVLD is accrediting Veterinary Diagnostic labs.

DDGS Methods Project – Shon Van Hulzen reported that the project had been completed and that a summary report would be distributed within the next 30 days. A discussion followed concerning the best way of distributing the report including posting it on a web site or publish it in a peer reviewed journal. The comment was made that it was unlikely a journal would publish material already posted on a web site. It was agreed to distribute the findings to participants in the AAFCO Check Sample program as soon as they were published. NOPA will also hold a training class later this year on appropriate methods for evaluating DDGS. Thiex recommended discontinuing the 135°C, 2 hr. method for moisture in feeds, change its name to “Loss on Drying, 135°C, 2 hr.” and include distiller’s grain products among the matrices for which the test was not suitable.

Action Item:

- Victoria Siegel to distribute recommendations to participants in the AAFCO Check Sample program.
- Thiex to approach AOAC to have distillers grain by-products listed among the matrices not appropriate for use with the “135°C, 2 hr” method.

AAFCO Committee Leadership – Thiex reported that the Quality Sub Group was working VERY well. However, the website Sub-Group had not accomplished a lot since the September meeting. Several websites need updating such as sections of the FERN, NFALC, AOAC and AAFCO websites. The current group includes Melvin Bryant, Rod Noel, Louise Ogden, David Clark, Lu Wetzler, and Victoria Siegel. It was mentioned that Melinda Walsh w/ State of Indiana also may be a good resource. Discussion followed as to what information should be posted where, and who would maintain the different web sites. It was agreed that

- Victoria Siegel would manage the AAFCO web site
- Lu Wetzler would manage the AOAC web site
- “Open” would manage the FERN/FOODSHIELD web site

AAFCO Carbohydrate Working Group Proposal – Thiex reported that Bruce Arentson had submitted suggestions to the Working Group, and that she, David Clark and Mary Beth Hall had

reviewed the suggestions and responded to them. Richard Ten Eyck has been designated as the Chair of the Group. The following decisions were made:

- Leave Policy #1 as is;
- Enhance definition of starch (e.g., total vs available vs gelatinized, etc.)
- Define sugars
- Define fructans

Once terms have been defined, methods will have to be identified to verify desired guarantees. AAFCO is looking for recommendations by June 1, 2007. It was suggested to include Mary Beth Hall and Shon Van Hulzen in the Group.

Action Item:

- Draft definitions

FDA Method Submission – This issue addresses how to get FDA's acceptance of AOAC validated methods as appropriate alternate methods for regulatory compliance testing. At the January 2005 meeting the decision was made to use the sulfamethazine method collaborated by Bob Smallidge as a pilot for this project.

Sandy **Flick** drafted a letter to be submitted by AAFCO to FDA requesting the establishment of an AAFCO Master File. AAFCO will then submit with each method a letter requesting the method be added to the AAFCO Master File and include authorization for FDA to refer to the methods in the AAFCO Master File in support of submissions made by the drug companies authorized by AAFCO to reference their Master File. Drug companies can then elect to supplement their NADA/ANADA to obtain FDA approval of a method in the AAFCO Master File as an alternate method for their drug. FDA will only review a method in the AAFCO Master File if a drug company requests approval of that method as an alternate regulatory method. CVM has guidelines (GFI #57) addressing how to obtain and maintain veterinary Master Files. It was agreed that AAFCO in the beginning only will submit AOAC collaboratively studied and approved methods.

Action Items:

- Thiex and Siegel will work with Sharon Krebs to establish the AAFCO Master File
- Siegel will use the templates to submit the sulfamethazine data to FDA
- Charlie Focht and Sandy Flick will work on submitting the lasalocid data to FDA
- Thiex and Alex MacDonald w/Phibro will work on submitting the OTC data to FDA

Foodshield.org – Carrie Rigdon gave an overview of the web site. It is only accessible to state and federal laboratory personnel. Individuals employed by industry do not have access at this point. A parallel site for industry is anticipated in future developments.

METHOD TOPICS

Lasalocid Collaborative Study – Charles Focht reported that the manuscript of the collaborative study report has been submitted to AOAC to be reviewed, approved and published.

Decoquinatone Method Study – Anivis Sanchez has submitted the revised study protocol to AOAC Committee I for approval and assembled 22 samples for homogeneity testing. Following the submission of the protocol, a report from the EU suggested a small change in the elution solvent replacing MgSO₄ with CaCl₂ as the fluorophor. A ruggedness study covering the new eluant is in progress. Discussion followed as to whether the change in elution buffer required a total new validation package and study protocol. It was agreed to have experts initially review the revised protocol. The expert panel should

include participant(s) from Alpharma. The findings of the panel would be submitted to AOAC for inclusion in their deliberations.

Bacitracin Needs Statement – Sondra Flick is in the process of drafting the needs statement. She expected to have it ready by the August meeting.

Chlortetracycline Method Study – Due to organizational changes within her company, Jane Sabbatini has not been able to work on this subject.

Oxytetracycline Collaborative Study – The collaborative data were presented at the annual AOAC meeting. Next step is the submission to AOAC of a manuscript of the collaborative study report for their review and approval.

Neomycin/Penicillin Method Study – Thiex reported that the SLV has not been completed yet. Julee Driver will be working full-time on this project this semester. Phibro provided valuable input to the needs statements.

Tylosin Needs Statement – Mark Coleman is in the process of drafting a “needs statement”.

Amprolium Method Needs Statement – Harold Campbell's draft of a method needs statement is published on the AOAC web site and needs to be reviewed by a FDA representative as well as representatives for the manufacturers/distributors for this compound in the US. Dennis McCurdy has offered to review the draft from a FDA perspective. Sabbatini offered to check with Phibro (Merial not interested) for the appropriate contact person and provide Aaron Price with this information. The method as written does not have a detection limit that meets current residue considerations.

Carbadox Needs Statement – Jane Sabbatini had volunteered to draft a needs statement including contacting Alex MacDonald w/ Phibro for feedback (Phibro is the US distributor of carbadox). Due to organizational changes within her company she had not been able to work on this subject. The question was raised if the needs statement should include pyrantel tartrate and morantel tartrate as well since one or more published methods appear to cover both compounds. The decision was made to write the needs statement for carbadox but to keep the other two drugs in mind during the method development process.

Virginiamycin Needs Statement for Residue Levels – This need has surfaced as result of virginiamycin being the only antibiotic approved for use in the manufacturing of distillers grain products. Fortification levels in the fermenting vessel of between 3PPM and 6PPM and residue levels of between 0.2PPM to 0.5PPM in the final products are permitted. Charles Staff would provide a name of a person from Minnesota that would a likely volunteer to head up a sub-committee consisting of Staff, Reimann and Van Hulzen.

MGA Needs Statement – Jon Dagleish is in the process of drafting a “needs statement”. Reimann to share needs statement draft w/ Pfizer and asking them for their feedback.

Multi-Analyte Mycotoxin Method – Dr. Maria Ofitserova will be working on the SLV. She needs incurred contaminated material covering a variety of matrices (grains, mixed feeds, premixes, etc.) Staff will distribute her request for 8-10 lb samples to distillers. Anyone with 8-10 lb of samples containing mycotoxins should send the ground material to

Dr. Maria Ofitserova 800.654.3330
Pickering Labs, Inc.
1280 Spoke Park Way
Mountain View, CA 94043

Multi-Analyte Elemental Method (with focus on metals) – Thiex reported that the needs statement has been completed and that she is still looking for someone interested in developing a method and performing a SLV.

Vitamin A Method Needs Statement – No update was provided from Dr. Riter

Vitamins D and E Needs Statements – No update was provided from Dr Riter

Multi-Analyte Pesticide Residue Method(s) – Thiex reported that Jo Marie Cook w/ FL Dept. of AG had distributed a survey and received very few responses. The survey was redistributed at the meeting and feedback requested. The survey will also be distributed with the Minutes of this meeting.

Other Business – One of the meeting participants reported a relatively high incidence of false positive results from Neogen's zearalenone test kit as judged by the results from the official method and asked if others had experienced similar problems.

Respectfully submitted,

Lars Reimann

Eurofins Scientific, Inc.

Attachments:

- Agenda
- Minutes of September meeting
- Pesticide residue Survey
- CVM Virginiamycin letter
- Carb Group Proposal Three
- Response to Carb group Proposal Three
- Carb Working Group Policy Changes