

**MINUTES FROM THE MEETINGS OF
AAFCO'S LABORATORY METHODS AND SERVICES COMMITTEE
September 15, 2009 8:00- 12:00
at the Downtown Marriott, Philadelphia, PA**

Present were:

NAME	E-MAIL ADDRESS	ORGANIZATION
Bill Hall	Bill.Hall@mosaicco.com	Mosaic
Cristina Nochetto	Cristina.nochetto@fda.hhs.gov	FDA
Doug Hite	Douglas.hite@state.tn.us	TN Dept of Ag
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Jay Gandhi	jgandhi@metrohmusa.com	Metrohm USA
Jeremy Shia	Jeremy_Shia@waters.com	Waters
Jerry King	jking@midwestlabs.com	Midwest Labs
John D. McCurdy	john.mccurdy@fda.hhs.gov	FDA/CVM
Kevin Jenkins	Kevin_Jenkins@waters.com	Waters
Krystyna McIver	kmciver@aoac.org	AOAC International
Kurt Johnson	k.johnson@R-biopharm.com	R-Biopharm
Lars Reimann	larsReimann@EurofinsUS.com	Eurofins Scientific, Inc.
Laszlo Torma	laszlo@pickeringlabs.com	Pickering Labs
Lu Wetzler	luann.wetzler@nebraska.gov	NE Dept of Ag
Maria Ofitserova	maria_o@pickeringlabs.com	Pickering Labs
Mark Coleman	mcoleman@lilly.com	Elanco
Melissa Miller	Melissa.Miller@Covance.com	Covance
Nancy Thiex	nancy.thiex@sdstate.edu	SD Dept of Ag
Ping Wan	wanp@purdue.edu	Indiana State Chemist
Richard Cantrill	Richard.cantrill@aoacs.org	AOCS
Sara Williams	smw@otsc.tamu.edu	TX Dept of Ag
Sareeta Norkar	sareetan@pickeringlabs.com	Pickering Labs
Sharon Webb	Sharon.Webb@uky.edu	University of Kentucky
Susie Dai	Susie@otsc.tamu.edu	TX Dept of Ag
Tom Phillips	phillitd@mda.state.md.us	MD Dept of Ag
Virginia Greene	Virginia.Greene@agmkt.state.ny.us	NY Dept of Ag
Wei Li	wei@otsc.tamu.edu	Office of Texas State Chemist
Yan Zhang	yzhang@ethanolresearch.com	Natl Corn-to-Ethanol Res Ctr

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 August Meeting –The Minutes from the meeting held on August 2, 2009 in Washington, DC was approved. (attached)

Status of FDA Submissions – Thiex reported that submissions of drug methods were on track-

- Lasalocid has been accepted by FDA – Issue closed
- Oxytetracycline is being reviewed by FDA
- Decoquinatone to be sent to FDA
- Sulfamethazine to be sent to FDA
- Monensin, Narasin and Salinomycin - Aaron Price to send the data to Thiex who will prepare a package for submission to the FDA as well as request a letter from AAFCO to FDA supporting the submission

Drug Method Development / Validation Underway –

Tom Phillips gave an update on the tylosin study. Initial residue data performed on LC / triple quad MS with good Horowitz numbers. LOD down to 2 PPB. Phillips is looking for medicated feed and premix samples containing tylosin in the presence of other drugs. He is also looking at setting up a HPLC-DAD method for measuring formulated levels.

Thiex reported that Sabbatini was no longer able to continue on the carbadox / pyrantel tartrate project and asked for a volunteer to continue the work.

Fatty Acid Collab Project – Nancy reported that a collab has been planned with AOCS. Her lab has received and is in the process of preparing some of the samples. The lab selection is not yet complete. A file outlining the mutual recognition of methods by AOAC and AOCS has been located.

Amino Acid Project Update – Dr. Zhang reported on her and AOCS studies focusing on a comparison of methods for quantitating the amino acid content in acid hydrolysis digestates. The study is being repeated with hopefully a larger group of participants in order to get necessary data points for a statistically valid comparison. She also outlined an upcoming study examining the use of microwave ovens for the hydrolysis of proteins.

Ankom Fiber Method – Thiex summarized a note she had received from Ankom stating that they were working on improving their filter bags

Sugar methodologies – Kevin Jenkins, Jay Ghandi and Kurt Johnson summarized their position as to the status of their studies. It was agreed that the three presenters would send their data on the ring test samples to Lars Reimann and that he would consolidate and distribute the data.

MGA Method – Kurt Johnson summarized his data from analyzing samples containing varying amount of MGA (from premixes to residues). Recoveries average 90% but the variability when analyzing medicated samples is high. Johnson will send data to Reimann for inclusion with the Minutes.

Neomycin by IC with Electro-Chemical Detection (ECD) – Gandhi reported that he had developed a simple procedure that could easily separate Neomycin B and Neomycin C and had a LOD of around 0.1PPB. Neomycin and neomycin sulfate may need different extraction conditions. The

current run time of 60 min could be improved upon by using gradient. The method should also allow for the quantitation of tetracyclines.

Funding for Method Validations – Thiex reported that the current bottleneck is not funding for AOAC validation projects but rather support for people undertaking SLV's. Currently there is only one (1) method ready for collaboration – Dr. Hall's starch method.

Doug Hite recommended that we solicit AOAC Organizational Affiliates, States (e.g., Association of Commissioners), and trade associations and give companies credit for “sponsoring” validation projects and look internationally as well as locally for funding. Bill Hall offered to share the documents he used when requesting funding from the fertilizer community.

AOAC/ISO Relationship – The question was raised if AOAC and ISO had a mutual acceptance agreement covering their methods. It was reported that ISO was in the process of “revalidating” old AOAC methods in order to collect method performance characteristics. The question was raised if such method performance data could simply be transitioned into AOAC methods as part of “editorial updates” and if such data are covered by copyrights. Thiex will check with George Latimer on this issue.

Mycotoxin Testing – Christina Nohetto summarized the status of a method for determining the mycotoxin content in feeds and their ingredients using UPLC-MS/MS. Her method initially focused on Aflatoxin, T2 toxin, Ochra toxin and fumonisins in DDGs . So far recoveries were good for the first three but poor for fumonisins. Will expand method to include the use of internal standards. Matrix effects were present but of minor importance.

Method Needs Statements –

Aaron Price will send Wetzler the most updated versions of the needs statements for posting on the AAFCO web site.

- Minerals – statement available on AAFCO web site. Please review and provide comments to Aaron Price. A copy will also be sent to Terry Field (designated Study Director) for his feedback.
- Fatty acids – statement available on AAFCO web site. Please review and provide comments to Aaron Price.
- Fructans – statement available on AAFCO web site. Please review and provide comments to Aaron Price.
- Bacitracin – statement available on AAFCO web site. Please review and provide comments to Aaron Price.
- Vitamin D – Thiex requested help with this. Dale Hill has offered to provide comments.
- Vitamin E – Thiex in the process of drafting needs statement. Need helps. Potential sources for help are Dale Hill, ADM and Neil Craft, Craft Technologies. .

Web Issues –

- Send material for posting on AAFCO web site through Thiex to Wetzler. Wetzler will post information within 48 hrs of receipt. .
- Need link from AOAC web site to AAFCO web site.
- Wetzler planning webinar for regulatory labs addressing the proper use of the Food Shield web site.

2010 AOAC Mid West Meeting – Wetzler discussed holding a workshop in connection with the 2010 Mid-West AOAC meeting and asked that suggestions for content be sent to her. Suggestions brought forth at the meeting included IC/LC applications for the Ag Industry (“Can this box be used for multiple purposes?”) as well as a review of sugar methods.

Respectfully submitted,

Lars Reimann

Eurofins Scientific, Inc.

Attachments:

1. Agenda September 2009
2. Meeting Minutes 080209
3. Feed Additives and Contaminants Annual Report
4. Metrohm sugar analysis presentation
5. Metrohm neomycin analysis presentation