

AAFCO Mid-Year Meeting
Minutes of the Collaborative Check Sample Program Committee Meeting
 Tuesday January 16th 2007, 1:30-4:00pm, Hyatt Regency Savannah, Savannah GA

The following were in attendance:

Name	Representing	Telephone	Email
Victoria Siegel	Office of Indiana State Chemist	765-494-1565	vsiegel@purdue.edu
Reggie Roybal	CO Dept. of Agriculture	303-477-0014	Reggie.roybal@ag.state.co.us
Cindi Fulk	NC Dept. of Agriculture	919-733-7366	c-fulk@ncmail.net
Charlie Staff	Distillers Grains Technical Council	502-852-1575	Chstaf01@louisville.edu
Aaron Price	Canadian Food Inspection Agency	613-759-1298	pricea@inspection.gc.ca
Lars Reimann	Eurofins Scientific	901-301-8425	larsreimann@eurofinsus.com
Roy Schulze	Pet Food Institute	314-982-2912	rschulze@purina.nestle.com
Gail De Greeff	Prince Agri Products, Inc.	217-222-8854	gaildegreeff@princeagri.com
Nancy Thiex	South Dakota State University	605-688-5466	Nancy.thiex@sdstate.edu
Melton Bryant	University of kentucky	859-257-4834	mbryant@uky.edu
Paul Klink	Elanco Animal Health	317-277-4698	p.klink@lilly.com
Kristen Blanchard	Nutramax Laboratories Inc.	410-776-4030	kblanchard@nutramaxlabs.com
Kris Mantey	The Scotts Company	937-644-7544	Kris.mantey@scotts.com

The meeting was led by Victoria Siegel, Committee Chair

1. The minutes of the Annual Meeting were approved (Lars Reimann, Melton Bryant).
2. The financial report provided by Sharon Krebs was reported.
3. Administrative Changes.
 - Harold Campbell has retired from the Canadian Food Inspection Agency. Thanks for your service on the committee Harold! Taking his place on the Committee is Aaron Price, Accreditation Chemist at the Ottawa Laboratory of the Canadian Food Inspection Agency. Welcome Aaron!
 - Thanks to Lu Wetzler for her efforts in editing the AOAC references on the consensus summary report documents.
 - Consensus summary reports will be posted and available for download from the AAFCO website
 - Update:- All reports from the 2006 samples and the current year reports as they become available have been posted at the following url*
<http://www.aafco.org/NewsandInformation/CheckSampleProgram/CheckSampleSummaryReports/tabid/95/Default.aspx>
 - The link is also available at the bottom of the Check Sample Program page.
 - As of 1-11-07, 210 active participants were enrolled in the Program including 6 new labs for 2007
 - Update:- Current enrollment is 235 labs*
4. Victoria Siegel gave an update on progress for the data reporting website. The web designer should be able to resume work with the site in the spring. To speed the process, it was suggested that we hire the web designer (currently volunteering time from day job

and not having much available time) and pay a one-time expense up to \$3,000 to get the work done. The motion was proposed (Lars Reimann) and seconded (Reggie Roybal) and carried by the group present. A bid proposal will be requested from the web designer. However, results of the gap analysis performed between the IUPAC Harmonized Protocol for the Proficiency Testing of Analytical Chemistry Labs and the AAFCO Program need to be taken into consideration before we go any further with this project. See item 8 for more details.

5. **Expanded program for drugs and antibiotics.** Since the only commercially available feed medicated with a triple drug combination (swine feed medicated with CTC, sulfamethazine & penicillin) was used for the first sample of 2007, options for obtaining suitable samples were discussed.

- We discussed the option of having the triple-medicated feeds prepared by a specialty feed mill. The options of asking FDA or a University training mill were considered. Universities known to have feed mills include Kansas State and N Carolina State. The drawback with this option is that the feed is not a “commercial” product and may be made from higher quality ingredients than are typically used. Also, this option may prove cost prohibitive.

- The best option appears to be to purchase un-medicated feed from the current mill providing samples to the Program. The samples would then be medicated by Able labs using commercially available drug pre-mixes.

Update:- Feed regulators at the Office of Indiana State Chemist have advised that we will not need a Feed Mill License to do this because our samples are being made for research purposes and will never be fed to an animal. This is a Federal regulation and applies in all States.

-One problem that was given consideration is the small amount of pre-mix necessary to produce the ~200lbs of feed needed for one round of the Program. The option of mixing larger amounts and storing the feed for use later in the program was considered. It was suggested that we could purchase a chest freezer to allow for storage of the medicated products.

Update:- Able labs are putting together a bid proposal for mixing the medicated feeds at their site. Current past samples are stored sealed in airtight plastic storage totes at room temperature. They approximated that each sample uses ~4 cubic feet of space. This would be a serious amount of freezer storage space. [The largest commercially available lab freezers have a capacity of ~30 - 50 cubic feet.]

- The group discussed contacting drug manufacturers to see if they could donate the small amounts of drug premixes required for our use. Manufacturers present viewed this favorably.

Update:- Since the drug manufacturers only deal with the technical drugs, it has been suggested that I contact ADM Animal health in Ames IA who use the technical drugs and blend them into the type A & B premixes. I have made preliminary contact, inquiring about obtaining the shopping list of drugs included in the attached document “triple drug project-1”.

Action item:- Committee members are asked to review “triple drug project-1.doc” and provide feedback to me by June 11th 2007. Any further information will be shared with the committee as it becomes available.

6. **Canned Pet Food.** Through preliminary survey, 45 labs have opted to receive the additional canned pet food sample. The sample will be a 5.5oz pate type cat food

provided by Nestle Purina Pet Care. The manufacturer has a 2-year in-can expiration date. The group discussed amounts needed to have a supply of cans available for purchase by the group as lab control samples. The following decisions were made

- The canned food would only be available for purchase as a Past Sample by the case. The charge for the case (twenty four 5.5oz cans) will be \$25 (same charge for current past samples) so long as this covers the packing & shipping costs. International participants will be able to purchase the canned sample for \$25 but they will have to pay the shipping costs (provide an account number for UPS or Fed Ex).

Update:- Chair has verified that the \$25 charge per case will cover packing and shipping costs within the US and Canada.

- The Past Sample cases would be pre-purchased
- Samples will only be available for purchase after the fact for a cost of \$25 per can
- The order form should include a disclaimer about samples being held by customs and be informed of the two year expiration date. AAFCO does not guarantee the concentrations reported in the consensus summary report. The summary report describes the product as tested by the group at that time.

Action item:- Committee members are asked to review the attached document “Canned sample past order form.doc” and provide feedback to me by June 11th 2007.

Action Item:- The participant survey will need to be repeated to give participants the chance to confirm their participation and the number of cans they require for routine testing, and to distribute the order form for past samples.

-The group decided to include the information from the AAFCO sampling guide with the sample. Chair suggests that these instructions be distributed with the survey (may influence the number of cans requested).

Action item:- Committee members are asked to review the attached document “sample preparation-canned pet food.doc” and provide feedback to me by June 11th 2007.

7. **Coordination with current AOAC Collaborative studies.** Nancy Thiex will advise the Chair of ongoing AOAC collaborative studies. We will attempt to include samples that are relevant to ongoing studies.

8. **IUPAC Gap Analysis presentation.** Please see the Power Point presentation “IHPgap011207.ppt”. The presentation attempts to identify those areas of the IUPAC Proficiency Testing protocol with which the AAFCO Program is not compliant. The following areas need further discussion & action

- z-score calculation
- Homogeneity testing
- Within-lab repeatability testing (day 1 & day 2)
- Scoring & ranking (grades)

Update:- The Chair has obtained a copy of ISO standard 13528 “Statistical methods for use in proficiency testing by inter-laboratory comparisons”

Action item:- The Chair will draft a preliminary proposal to make changes to the program to allow for better conformity with the IUPAC guide. The draft proposal will be distributed to the committee, industry advisors and interested parties prior to the Annual meeting. The document will be shared with the Magruder Program since they use the same statistical analysis for their fertilizer Program.

-The group discussed the issue of decimal place reporting, since a participant had asked

whether the number of decimal places reported could impact the performance results. Some other testing schemes define the maximum number of decimal places to report; the group was in agreement that we continue to advise our participants to report to the same number of decimal places that they report to their clients.

9. **Additional method codes needed for metals analysis by ICP.** Several participants have requested additional method codes for ICP methodology of mineral analysis. The group identified the need for the following extraction categories
Dry ash, open vessel (includes hot block) and microwave. These extraction methods are to be paired with detection methods (ICP, AAS or ICP-MS) as appropriate.

Update:- Since some of the minerals already had method codes ICP dry-ash extraction, it may be necessary to make some method codes obsolete, and to generate a new series of method codes to be used for metals. The following series of method code extensions is proposed-

XXX.12	AAS / dry ash
XXX.13	AAS / open vessel
XXX.14	AAS / microwave
XXX.15	ICP / dry ash
XXX.16	ICP / open vessel
XXX.17	ICP / microwave
XXX.18	ICP-MS / dry ash
XXX.19	ICP-MS / open vessel
XXX.20	ICP-MS / microwave

Action item:- **Committee members are asked to review the attached document “Metalcodesurvey.doc” and provide feedback to me by June 11th 2007.** Note that the hi-lited codes will become obsolete. Specific feedback is requested regarding how to eliminate obsolete codes. The new codes will be reviewed and any applicable AOAC references added. The AOAC references on the current list only include present codes.