

AAFCO Mid-Year Meeting
Minutes of the Collaborative Check Sample Program Committee Meeting
 Tuesday January 29th 2008, 3:30-5:30pm, The Menger Hotel, San Antonio TX

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
Andy Crawford	Nutro products	626-968-0532	acrawford@nutroproducts.com
J. Dennis McCurdy	CM / FDA	240-453-6852	John.McCurdy@fda.hhs.gov
Aaron Price	Canadian Food Inspection Agency	613-759-1298	pricea@inspection.gc.ca
Lars Reimann	Eurofins Scientific	901-301-8425	larsreimann@eurofinsus.com
Amy DeBaker	WI Dept. of Ag.	608-267-3502	Amy.debaker@wi.gov
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
Mark Coleman	Elanco Animal Health	317-277-4613	mcoleman@lilly.com
Kristen Blanchard	Nutramax Laboratories Inc.	410-776-4030	kblanchard@nutramaxlabs.com
Monica Fanti	Alltech		mfanti@alltech.com
Sharon Webb	UK Division of Regulatory Services	859-257-2785 X235	Sharon.webb@uky.edu
Jose M. Rodriguez	Mississippi State Chemical Lab	662-325-2653	JMR385@msstate.edu
Heidi Hickes	MT Dept. of Ag.	406-994-6408	hhickes@mt.gov
Rick Killebrew	Idaho State Dept. of Ag.	208-332-8697	rkillebrew@agri.idaho.gov
Brenda Ball	AZ Dept. of Ag.	602-542-0986	bball@azda.gov
Dan Woodall	DE Dept. of Ag.	302-698-4526	Daniel.woodall@state.de.us
Roger Hoestenbach	OTSC	979-845-1121	rdh@otsc.tamu.edu
Bill Thom	UK Division of Regulatory Services	859-257-2785	wthom@uky.edu

The meeting was led by Victoria Siegel, Committee Chair

1. The minutes of the Annual Meeting were approved (Aaron Price, Amy DeBaker).
2. The financial report provided by Sharon Krebs was reported.

3. Program Participation report

Current enrollment for 2008 Program is 185 of which

- 108 (58%) US labs
- 50 (27%) International labs
- 27 (15%) Canada

The Chair reported that enrollment was slower this year.

Update: Current enrollment (May 29th 2008) is 226 of which

- 124 (55%) US labs
- 70 (31%) International labs
- 32 (14%) Canada

In addition, another 95 subscriptions comprising of 17 US locations and 1 Canadian location have joined for the last 10 months of the year. Note that only data from one analyst per location is submitted to the AAFCO analysis.

4. **Data Reporting Website.** Dr. Andy Crawford of Nutro Products has developed a statistical analysis program in Excel to allow for processing of Check Sample Program data according to the recommendations of ISO standard 13528. Andy gave a presentation demonstrating his program and presenting some options for the data reporting and scoring aspect. The revised statistical analysis will calculate z scores based upon the robust standard deviation of the reported data, using the average result of Day 1 and Day 2 for each participant. The existing website template, which provides a mechanism for recording each lab's reported data, has been tested and set up to allow for exportation of data into Andy's calculation program.
Update:-

5. **Expanded program for drugs and antibiotics.** Based upon the lack of available commercial medicated products with multiple drugs or antibiotics, the committee is planning to prepare our own samples. The Chair has started to accumulate a selection of drug pre-mix products to produce a selection of approved triple-drug combinations. The next step is to develop a standard operating procedure (SOP) describing how the samples will be prepared. Procedures describing the grinding, mixing and splitting aspect of sample preparation have been provided by Able Laboratory. Mel Bryant has begun work on the SOP.

Action item:- Development of a template for the SOP, and completion of the SOP

Action item:- Preparation of a prototype sample for homogeneity testing and homogeneity testing as described in the International Harmonize Protocol for the proficiency testing of analytical chemistry labs (IHP).

6. **Special samples - Canned Pet Food.** Nestle Purina PetCare Company has a donation agreement to provide us with a canned cat food in 5.5oz cans. Program participants are currently being surveyed and have the opportunity to pre-order cases of twenty four cans for \$50 each for use as a Lab Control Sample once the testing round is complete. The target month for sending out the sample is April.

Update:- The cans were manufactured on March 20th 2008 and the AAFCO sample was labeled as 0895, with a June 10th due date for the results. The samples were shipped in mid April to a sub-group of sixty-eight participant labs. Thirty nine cases were pre-ordered, generating \$1,950. The total estimated expenses for the canned sample are \$2,500, so all but ~\$500 was covered by case sales. [A current typical monthly sample costs ~\$4,000 to the whole group.] The summary report should be available around July 10th 2008 and will be emailed to participating labs and also posted on the website.

Special samples – Commodity for 2008. Due to the continuing interest in DDGs and the success of the initial inclusion of this feed ingredient in the program in 2006, the Chair proposed to again use corn DDGs as the commodity / feed ingredient sample for 2008. The committee agreed and suggested that we provide the AFIA list of recommended analytical methods, and also ask for labs to test for virginiamycin, Aflatoxin and Sulfur, if they have the capability. Due to the popularity of the “past samples” for the 2006 DDGs, it was suggested that we prepare more test portions than usually required and store them frozen.

Action item:- Look into the availability of freezer storage with Able Laboratory

Action item:- Contact Charlie Staff, DGTC, for a source of DDGs

7. **Method code needs.** A complete set of revised analyte method codes for minerals has been proposed to allow for better reporting of the extraction and detection procedures currently in use. However, to incorporate the changes into the current statistical analysis program will cost ~\$2,500 and this is wasteful considering that we are in the process of eliminating use of the current analysis program within the next year. However, many labs are reporting minerals using the miscellaneous method codes, and this does not give them any performance score for that analyte. A proposal to go ahead and incorporate three of the new method code extensions (see below) was approved by the committee (motion Aaron Price, Second Amy DeBaker).

XXX.14 AAS / microwave extraction

XXX.17 ICP / microwave extraction

XXX.21 ICP-MS / all extraction methods

The following mineral analytes would be assigned the additional codes:- Aluminum, Arsenic, Barium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Sodium, Sulfur, Vanadium, Zinc.

Update:- Due to time constraints of the Chair and the AAFCO programmer, the additional analyte codes have yet to be added. The committee needs to decide whether to go ahead and add the codes now, or wait until the website launch (hopefully) with the 2009 Program.

Update:- the AAFCO programmer has suggested a different numbering system for the additional method codes that will allow for data analysis as individual method codes, and also by detection technique (all extraction methods). A revised mineral code survey document will be sent out with these minutes, prior to discussion of this issue at the Annual meeting.

8. **Other business- ISO method references.** International participants have suggested that AAFCO add equivalent ISO references for certain AAFCO method codes. The ISO methods requested are as follows:-

Analyte	AAFCO code	AOAC Reference	ISO Reference
Protein, block dig/dist	002.10	2001.11	5983-2
Fat, Soxtec, Pet ether	003.10	NA	11085
Ash, 3h, 550°C	005.04 (new)	NA	5984
Fiber, acid detergent	008.02	973.18	13906
Fiber, neutral detergent	009.07	2002.04	16472
Starch, Polarimetric	012.00	NA	6493
Fat, Soxtec, acid hydrolysis	013.10	NA	11085

The committee agreed to purchase the ISO methods (Motion Mel Bryant, Second Dennis McCurdy) and include the references after the Chair verifies equivalence by review.

Update:- The standards have been purchased with the exception of ISO13906, which was unavailable for purchase at this time.

Action Item:- Review of ISO documents and comparison to AOAC referenced methods

as appropriate.