

AAFCO Annual Meeting
Minutes of the Collaborative Check Sample Program Committee Meeting

Saturday August 2nd 2008, 1-3:00pm, Hilton Downtown, Nashville TN

The following were in attendance:

Name	Representing	Telephone	Email
Victoria Siegel	Office of Indiana State Chemist	765-494-1565	vsiegel@purdue.edu
Keith Wegner	CO Dept. of Agriculture	303-867-9228	Keith.wegner@ag.state.co.us
Andy Crawford	Nutro Products	626-968-0532	andy@crawford.org
J. Dennis McCurdy	CVM / 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
Karen Taylor	NY Dept. of Ag.- Food lab	518-485-8774	Karen.taylor@agmkt.state.ny.us
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
Kris Stein	Nestle Purina	314-982-3521	Kristine.stein@purina.nestle.com
Stephanie Baker	The Kroger Co.	513-762-4282	Stephanie.baker@kroger.com
Sharon Webb	UK Division of Regulatory Services	859-257-2785 X235	Sharon.webb@uky.edu
Mary Koestner-Dorge	Mo Dept. of Ag.	563-751-8320	Mary.koestner@mda.mo.gov
Lu Wetzler	NE Dept. of Ag. Lab	402-471-2176	Luann.wetzler@nebraska.gov
Leon Clark	Eurofins	269-488-7038	leonclark@eurofinsus.com
Brenda Snodgrass	OK Dept. of Ag., Food & Forestry	405-522-5440	Brenda.snodgrass@oda.state.ok.us
David Fairfield	National Grain & Feed Assn.	712-243-4035	dfairfield@ngfa.org
Kyung-Min Lee	OTSC	979-845-4113	kml@otsc.tamu.edu
Ken McManus	MD Dept. of Ag.	410-841-2721	McManuk@mda.state.md.us
Gina Clapper	AOCS	217-693-4809	ginac@aocs.org
Dragan Momcilovic	CVM / FDA	240-463-6856	Dragan.momcilovic@fda.hhs.gov

The meeting was led by Victoria Siegel, Committee Chair

1. The minutes of the Annual Meeting were approved (Lu Wetzler moved, Aaron Price second).
2. The financial report provided by Sharon Krebs was reported.
3. **Program Participation report**
 Current enrollment for 2008 Program 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. **Method code needs.** The following analyte numbering scheme was proposed for methods for the following minerals:

Aluminum, Arsenic, Barium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Sodium, Sulfur, Vanadium, Zinc.

Proposed code:

- XXX.10 AAS, dry ash
- XXX.11 AAS, open vessel
- XXX.12 AAS, microwave
- XXX.1X AAS, all extraction methods

- XXX.20 ICP, dry ash
- XXX.21 ICP, open vessel
- XXX.22 ICP, microwave
- XXX.2X ICP, all extraction methods

- XXX.30 ICP-MS, dry ash
- XXX.31 ICP-MS, open vessel
- XXX.32 ICP-MS, microwave
- XXX.3X ICP-MS, all extraction methods

This numbering scheme has the advantage of being able to “group” the individual extraction codes in the event that the data were distributed between too many different method codes (too few labs reporting in any one method code). Since these changes (264 total method code changes) involve a lot of programming, the group discussed whether we could select some of the minerals as higher priority analytes. The additional codes for other of the analytes would be programmed at a later date. However, due to the wide range of interests of our participants, it was decided to go ahead and have all the changes programmed into the method codes for the website launch (tentatively for January 2009). The committee members are in agreement (Brenda Snodgrass moved, Lu Wetzler second).

Action item: Chair to make arrangements for the additional method codes to be programmed into the website and the calculation program by the end of 2008.

Addition of references to equivalent ISO methods. International participants have requested the addition of some ISO method references to the AAFCO method codes. The table below details the methods, some of which have equivalent AOAC methods described by current AAFCO method codes, and some which will be the Official Methods referenced by these codes. The Chair has purchased copies of these ISO methods and asked for volunteers to verify their equivalence / relevance to the AAFCO method code listed. Thanks to Brenda Snodgrass (OK), Karen Taylor (NY) and Sharon Webb (KY) who have taken on this project.

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

Action item: Add the verified ISO references to the method codes documents on-line and include the information in an emailing to all Program participants.

Addition of references to AOCS methods. The group decided to add relevant AOCS references to the AAFCO method code document (Aaron Price moved, Karen Taylor second).

Action item: The Chair will contact Gina Clapper at AOCS to develop a list of equivalent methods and then update the method codes documents on-line and include the information in an emailing to all Program participants.

- 5. 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. At the mid-year meeting 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. This presentation will be distributed with these minutes (power point presentation AAFCOCSProposal0108). 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. At the current meeting, Andy gave a presentation showing options for score cards and summary reports. This presentation will also be distributed along with the minutes (power point presentation AAFCOCSDataDisplay). Committee discussion was very positive, and included suggestions to incorporate AV calculations into the method precision reports, a good future consideration.

A motion was made (Brenda Snodgrass) and seconded (Aaron Price) that we go ahead and make these changes to the statistical analysis of the Program data. All were in favor, with a timeline for incorporation into the 2009 Program.

We also discussed the pitfalls of supplying more information than we used to (i.e. by including a Threshold RSD measure), since this can be problematic to accredited labs who are reporting their performance to an external organization.

Potential solution:- The score cards can be calculated by specific method, or by method group (closer to a proficiency testing score). We could remove the Threshold RSD score from the method group score card, since these scores are most appropriate for reporting performance for accreditation.

Action item:- Prepare a "user manual" to explain how to use the new website interface and how to interpret the new statistical analysis.

Action item:- Distribute the user manual to all participants as soon as possible, providing examples of the new score cards and reports along with the current reports for at least one or two of the remaining 2008 samples.

Action item:- Arrange for volunteers to test out the website entry- thanks to all those who have volunteered already.

- 6. Expanded program for drugs and antibiotics.** This project has been put on hold until after the website / calculations project has been completed.

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).

- 7. Special samples - Canned Pet Food.** AAFCO sample 0895 was a canned cat food, with data reported by 61 labs. The consensus summary report is available for download from the AAFCO website and was posted around July 21st 2008. The group discussed the success of this sample, and agreed to try and incorporate a canned pet food annually.

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 committee decided to again use corn DDGs as the commodity / feed ingredient sample for 2008. We will provide the AFIA list of recommended analytical methods, and also ask for labs that have the capability, to test crude fiber by AOAC 978.10 (AAFCO method code 004.03) and /or AOCS Ba 6a-05 (AAFCO code 004.07). We would also suggest that labs 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

- 8. Other business -** Mel Bryant raised the issue of dwindling committee members due to the retirement of Bob Beine and the loss of Weldon Collier. The Chair asked for volunteers.

Update:- Karen Taylor from the New York Department of Agriculture and Markets and Mary Koestner-Dorge from the Missouri Department of Agriculture have volunteered and have been recommended to the AAFCO Board (hopefully in time for inclusion in the 2009 OP). Thanks so much Karen and Mary and welcome aboard!