

**AAFCO Annual Meeting**  
**Minutes of the Collaborative Check Sample Program Committee Meeting**  
 Saturday July 30<sup>th</sup> 2011, 1:00-5:00pm, Austin TX

The following were in attendance:

<b>Name</b>	<b>Representing</b>	<b>Telephone</b>	<b>Email</b>
Victoria Siegel*	Office of Indiana State Chemist	765-494-1565	vsiegel@purdue.edu
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\* Indicates members of the committee

The meeting was led by Victoria Siegel, Committee Chair

1. Meeting minutes from the Mid-year meeting (January 18<sup>th</sup> 2011, St. Pete Beach FL) were approved (Lu Wetzler moved, Aaron Price 2<sup>nd</sup>).
2. Sharon Krebs provided data for the financial report
3. **Program Participation report**  
 Current enrollment for 2011 Program is 261 of which  
 -139 (53%) U.S. labs  
 -96 (37%) International labs  
 -26 (10%) Canadian Labs

We have increased the level of participation in the Program from 235 labs in 2010. Growth continues with international labs, particularly labs in China. A special group of 97 analysts at 18 different lab locations (17 in the U.S. and 1 in Canada) is also enrolled.

#### **4. Data Reporting Website Update**

The Data Reporting Website continues to function well. The web programmer has promised to work on the template for result reporting and will have something for us by the end of August 2011.

Andy suggested an improvement for the report cards. Where the number of reporting labs is less than six for an individual AAFCO method code, the Z score will show on the report in grey to indicate that the score is informational only and should not be used for corrective action. The proposed improvement to the report cards was approved by the committee (Nancy Thiex moved, Lu Wetzler 2<sup>nd</sup>).

#### **Compliance with the IHP**

The draft quality manual document (section headings only at present) was distributed with the minutes of the Mid-year meeting.

*Action item: provide revisions (suggestions for any missed sections of the manual) to Vicki by e-mail.*

The zero-range compliance policy (revised from the Mid-year meeting) was reviewed and edited. The revised policy document is attached.

*Action item: provide further revision to the policy document (e-mail Vicki).*

The first revision of zero-range compliance policy will be included in section 17.1 of the draft quality manual.

#### **Accreditation of the Program**

PT providers can be accredited to ILAC G13 (includes elements from ISO guide 43-1, ISO 17025 and ISO 9000). Amy Johnson from AOCS has provided a web-link to access documents on A2LA accreditation of PT providers. A2LA does not list the AAFCO Program in their list of non-accredited PT providers, even though the Magruder Program is on the A2LA list. Vicki was unsuccessful in attempts to discuss this with A2LA.

*Action item: Lars Reimann will contact A2LA and encourage them to contact Vicki. Vicki will strive to get the Program listed on the A2LA PT provider document and will find out about requirements for PT provider accreditation.*

#### **5. Method code needs- Dietary Fiber.**

A participant lab has asked for a method code for dietary fiber by AOAC 985.29. This test method allows for reporting of total, soluble or insoluble dietary fiber. Any proposed method code should have the AOAC method number in the method description, as well as referenced in the method code document. AOAC has recently finished a collaborative study for another dietary fiber method. When the code numbers are assigned, we need to address the issue of total, soluble and insoluble reporting and also include a code for the new AOAC method and also include a miscellaneous code.

*Action item: Vicki will review the AOAC methods and assign method codes, descriptions and units to the analyte. Lars Reimann will review the proposed code assignments (cc. Andy Crawford) prior to participant survey to assess the number of labs that may report this analyte.*

#### **Method code needs- clarification of abbreviation for liquid chromatography methods.**

The AAFCO method codes have typically used the abbreviation of "HPLC" for high performance liquid chromatographic methods. When adding a specific method code for

Decoquinate (054.02) using AOAC 2008.08 (the CFIA method) the test description assigned was “LC”. The method described in 2008.08 is a HPLC method, however, the term of LC was used here to allow for those labs converting the method to UPLC / UHPLC instrumentation and columns to report the same method code. The group discussed whether all the method code descriptions should be converted from HPLC to LC or whether we should use HPLC / UPLC or UHPLC. The committee settled on “LC” as the generic abbreviation, but will use the abbreviation “UPLC” for descriptions of future methods that are specifically validated for UPLC or UHPLC systems.

*Action item: Vicki and Andy will edit the method code descriptions. Vicki will send out an informational e-mail to participant labs explaining the use of the abbreviation (will be combined with information on the low-level surveillance projects for mycotoxins and heavy metals, see item 6).*

#### **6. Using AAFCO PT samples to report low-level surveillance data for mycotoxins, heavy metals, and drugs.**

The committee decided to move forward with plans to facilitate the reporting of low-level surveillance data for feed contaminants. The initial plan will allow for addition of unique AAFCO method codes with units that will allow for low-level reporting of the following mycotoxins: total aflatoxins, AB1, AB2, AG1, AG2, total Fumonisin, FB1, FB2, FB3, DON, Zearalenone, Ochratoxin A and T-2. All low-level surveillance mycotoxin codes will use the ppb unit. Unique method codes also will be added to allow for reporting of the following heavy metals: Arsenic, Cadmium, Chromium, Mercury, Nickel and Lead. These additional low-level surveillance metal method codes will have the same unit as the regular AAFCO method codes for these analytes with the exception of Mercury which will be reported in ppb for the surveillance project. The surveillance method codes will use the 500 numbers. The data will be processed separately by Andy Crawford, and scores will be reported using the “grey” z-scores to remind participants that corrective action is not appropriate for the data. The purpose of the data reporting is simply to compare results between different reported methods. For this surveillance project only, the participants will report all numbers, regardless of the LOD or LOQ of the test methods used. Nancy Thiex suggested that since additional surveillance testing may be burdensome for some labs, the participants could be asked to report the data only as frequently as they can. The US / Canadian State labs may be asked to run the surveillance tests quarterly or in specific target months (for example, for one specific animal feed sample and one dry pet food sample each program year). The response from participants will be used to determine future plans for the project that may include capture of LOD / LOQ information. Plans to allow for reporting of low-level surveillance data for drugs will be developed using “lessons learned” from the mycotoxins and heavy metals.

*Action item: Vicki will develop the required series of AAFCO method codes, test descriptions and units and work with Andy to populate the Data Reporting Website and statistical calculation program with the new codes. Once the codes are in place, information will be shared with participants. Any data reported prior to the January AAFCO meeting will be presented in January.*

#### **7. Expanded Program for Drugs and Antibiotics.**

Two prototype bulk samples will be prepared by Able labs using a non-medicated commercial feed and drug pre-mix materials provided by Vicki. The two samples are

described in the triple-drug project document as combination D (turkey feed with amprolium, bacitracin zinc and penicillin) and combination F (chicken feed with lincomycin, roxarsone and lasalocid). Note- these are allowed drug combinations. The prototype bulk samples will be tested for homogeneity of the drug components by CFIA (thanks to Aaron Price). We are hoping that the samples also can be tested for mineral homogeneity to provide more data on homogeneity for the Program. Provided the samples are considered sufficiently homogeneous using the recommended criteria of ISO 13528, the prototypes will be used in regular testing rounds of the Program. The proposed schedule of samples may be out-dated at present and will be reviewed by Aaron. Potential combinations that include non-allowed combinations of drugs that are of interest to the committee will be proposed.

**Action item:** *Mel Bryant and Aaron will review the sample preparation SOP and e-mail edits to Vicki.*

**Action item:** *Aaron will work on the schedule and notify Vicki of additional drug pre-mixes that we need to include in our “drug pantry”.*

Note: the drug pre-mix pantry is located at Purdue in Vicki’s freezer.

**Action item:** *Vicki to contact Elanco, Phibro, Intervet and Koffolk / Merial to obtain other required pre-mixes.*

## **8. Program expansion - separate Program for pet food.**

The committee considered options for providing a separate PT program for the pet food industry. The monthly program would include samples of finished dry and canned pet food products, and pet food ingredients that are not typically included in the regular Program. One of the biggest challenges is to ensure a steady source of bulk sample material. Lars suggested that we approach the Pet Food Institute (PFI) and ask for their involvement.

**Update:** *Vicki went to the AAFCO Pet Food committee meeting on Sunday afternoon and told them about the project. The PFI will contact Vicki and arrange a conference call so that they get full information on what is involved.*

Another challenge is to ensure that the regular Program is not adversely affected by introduction of the new Program. Suggestions from the group included offering the pet food Program as a quarterly “add-on” to the regular Program. [The down-side to this option is that the regular Program sample matrix is often not relevant to pet food manufacturers.] Amy from AOCS offered the idea of partnering with AOCS in this Program. AOCS has staff resources and sources of bulk sample material that have been identified in a wish-list from a large pet food manufacturer.

How many labs would join the new Program? There are about 20 labs we are already aware of, and if the Program was accredited, we would have another 20 labs interested (personally communicated to Vicki during the meeting).

**Action item:** *interested parties should continue to explore the project and report back to Vicki any relevant details. Vicki will update on discussion with the PFI and AOCS at the January 2012 meeting.*

## **9. Special samples**

Suggestions for the 2011 feed ingredient included corn gluten feed, soybean meal or medicated liquid molasses.

**Action item:** *Vicki will order the sample on return from the meeting and distribute the details with the minutes.*

**Update:** *AAFCO sample 201131 is a corn protein concentrate -see attached sample label*

We have an agreement with a pet food manufacturer for a special canned pet food sample and are finalizing the paperwork. The canned pet food sample should go out in the 2011 Program.

*Update: the canned pet food will be shipped to the sample prep lab this week (November 7<sup>th</sup> 2011) allowing for the testing round to start in December (or January at the latest....)*

#### **10. Other business – Pricing for 2012 Program**

Pricing for the 2012 Program was set at \$264 for U.S. / Canadian labs and \$312 for international labs, shipping included ( Nancy Thiex moved, Mel Bryant 2<sup>nd</sup>)

##### **Publicized participant list**

A request to publicize the list of Program participants was discussed and dismissed. Program participation alone is not an indicator of the quality of a lab.

##### **Logo to indicate participation**

A request for AAFCO to provide a logo for participants to use to indicate their participation in the Program was discussed and dismissed. As a volunteer organization it is impossible for us to regulate use of the logo and, as above, Program participation alone is not an indicator of the quality of a lab. We shall pursue development of a logo and materials for marketing use (thanks to Angela Carson and Lu Wetzler for volunteering help).

*Action item: Vicki will contact Angela & Lu and provide examples*

*Action item: Vicki to look up A2LA rules for use of their logo and materials for comparison*

##### **AV development for vitamin E**

To establish a protocol for development of additional AVs we are going to put together the vitamin E data on past AAFCO samples, sorting by matrix. The data set will be evaluated at the January meeting. Note that any proposed AV will need to be reviewed by relevant AAFCO committees and approved by the BOD.

*Action item: Vicki will contact Andy for help*

*Update: Vicki also received a request to consider developing an AV for decoquinatate*