

- at the August 12, 2013 Committee meeting.
- Crawford has initiated programming needed to implement the statistics.
- A contract to provide Mycotoxin PT materials is in place.

### **Heavy Metal Contaminants Program**

- Method codes for heavy metals were developed and incorporated into the data reporting website.
- Data reported by participants was used to develop a statistical treatment for heavy metal data in the program. The treatments proposed and presented by Crawford were accepted by the CCSP Committee at the August 10, 2013 Committee meeting.
- Crawford has initiated programming needed to implement the statistics.

### **Veterinary Drug Contaminants Program**

- Method codes for veterinary drug contaminants were developed and will be incorporated into the data reporting website for the 2014 program year to allow participants to report data to these codes.



## **Products**

### **AAFCO Check Sample Program Products**

#### **ISO 17043 Accreditation**

Proficiency testing (PT) is a critical component of laboratory Quality Management System. Because of these efforts, feed laboratories seeking ISO accreditation to ISO/IEC 17025:2005 will have an accredited PT program available to meet their quality management system needs.

#### **Pet Food Program**

The Pet Food Program is a quarterly program for pet food ingredients. It was opened for enrollment on October 26, 2012. The first sample, a poultry meal sample, shipped to 63 labs. Sixty-one between lab participants reported data for 63 analytes using 156 different methods. The second quarter bulk sample

was flaked soy flour. Data has been analyzed and reported to participants for both. The third quarter sample is egg powder and will ship to participants in the last week of August 2013.

#### **Mycotoxin Contaminants Program**

A mycotoxin contaminants program will be available to participants in the 2014 Check Sample Program Year, which begins in January 2014.

#### **Heavy Metal Contaminants Program**

A heavy metal contaminants program will be available to participants in the 2015 Check Sample Program Year, which begins in January 2015.

#### **Increase frequency for formulated levels of all veterinary drugs**

Increased frequency for veterinary drugs will be available to participants through the regular CCSP in the 2014 Check Sample Program Year, which begins in January 2014.

#### **Veterinary Drug Residue Program**

A veterinary drug contaminants program will be available to participants in the 2016 Check Sample Program Year, which begins in January 2016.

## **Subscribe to the AAFCO Check Sample Program!**

Participation in the AAFCO Check Sample Program fills the Proficiency Testing requirements for laboratories seeking Accreditation to ISO/IEC 17025:2005 with a feed or pet food scope and/or laboratories meeting the quality assurance/quality control (QA/QC) requirements of the AAFCO QA/QC Guidelines as cited in the proposed Animal Feed Regulatory Program Standards, Standard 10. The AAFCO CCSP is crucial for all laboratories providing analytical testing in the area of animal feeds or pet foods.

For information on the AAFCO Check Sample Program, please visit: <http://aafco.org/Directory/CommitteePages/CheckSampleProgram.aspx>

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AUGUST 2013

# **Preparing Food and Feed Laboratories for ISO 17025 Accreditation**

**The Associations Cooperative Agreement with FDA**



## **Specific Aim #8: Food Laboratory Conformance**



# Preparing Food and Feed Laboratories for ISO 17025 Accreditation

Through a cooperative agreement with FDA's Office of Partnerships, APHL, AFDO and AAFCO are preparing food and feed regulatory testing laboratories seeking to achieve, maintain and enhance ISO/IEC 17025:2005 accreditation. Objectives of the work include:

- developing laboratory training programs around accreditation
- building a mentoring program for laboratories at various stages of accreditation
- reaching national consensus on equivalency
- enabling direct electronic sharing of analytical data
- improving communication among federal, state, and local testing laboratories and with their associated regulatory and public health programs
- building a framework for unified laboratory response to food/feed safety emergencies
- expanding a proficiency testing program for feed laboratories
- improving the rapid submission of isolates to the public health system

## Specific Aim #8: Food Laboratory Conformance

*Use association infrastructure to assist food and animal testing laboratories to achieve, maintain, and enhance the scope of laboratory accreditation and achieve conformance with applicable programs*

### **Under this Specific Aim, AAFCO is leading efforts to:**

- seek accreditation to ISO 17043 for the Collaborative Check Sample Program (CCSP)
- extend the scope of the CCSP program by the addition of programs to current program or supplementation of the current program with the following:
  - Pet Food Program
  - Mycotoxin Contaminants Program
  - Heavy Metal Contaminants Program
  - Increase the frequency and variety of formulated levels of veterinary drugs in animal feed check samples in the initial program
  - Veterinary Drug Residues Program
- create a listing of acceptable PT sources

## Member Involvement

AAFCO will utilize its existing Collaborative Check Sample Program (CCSP) Committee to advise and implement the efforts of this activity. CCSP Member and Advisor Roster is available on the AAFCO website <http://www.aafco.org/Directory/CommitteeMembers.aspx>. The Committee is chaired by Victoria Siegel (IN).

A second working group has been formed under the auspices of the CCSP Committee. The CCSP Quality Assurance Oversight Team (QOT) will be involved in document review, interpretation of the standard and auditing of the Program's management system. The volunteers for the CCSP QOT have been identified and currently represent state regulatory labs, commercial testing labs, industry, CFIA, and a liaison from AOCS.

## AAFCO Check Sample Program Accreditation Activities

AAFCO is seeking accreditation to ISO 17043 for the CCSP. Activities have included:

- Steering group conference calls were held May 17, May 21, June 25 and July 25 2013. QOT conference calls were held on July 25 and July 26.
- Face-to-face meetings January 22, 2013 in Albuquerque, NM, and August 12, 2013 in St. Pete Beach, FL.
- The Data Reporting Website was moved to a new host server at FASS to facilitate necessary website improvement for both the expansion and accreditation. So that the code can operate under FASS's IIS server, it has been translated from PHP to ASP programming languages.
- QOT has been populated. A "Board Forum" was created on the FASS website to house documents for the QOT.
- The first draft of the CCSP Quality Manual has been drafted and is under review by the QOT.
- A Volunteer Education and Experience Form was developed and put to use to capture the expertise level of the volunteers working on the CCSP.
- Homogeneity and stability testing was initiated. Homogeneity data for two PT materials was contracted, received, analyzed, reviewed and presented to the CCSP Committee.
- Chair Siegel prepared documentation for subcontractor

assessment for the sample preparation laboratory. She also completed the site visit for assessment of Able Laboratory, Pikeville TN from July 29, 2013 to July 31, 2013.

- Chair Siegel prepared documentation for subcontractor assessment for the CCSP Programmer/Statistician. She also completed the assessment of Crawford on August 10, 2013.
- A web-based documentation of the statistical treatment for the CCSP has been created. It can be viewed at: <http://www.andy.crawford.org/CSPDocHTMLWeb/AAFCOdocsWebPrototype.html>. It will eventually be moved to a permanent site at FASS.

## AAFCO Check Sample Program Extension of Scope Activities

AAFCO is seeking to expand the scope of its Check Sample Program activities to better meet the needs of FSMA by initiating programs in mycotoxins, heavy metals, veterinary drug residues and pet food.

- Steering group conference calls were held May 17, May 21, June 25 and July 25 2013.
- Face-to-face meetings January 22, 2013 in Albuquerque, NM, and August 12, 2013 in St. Pete Beach, FL.
- The Data Reporting Website was moved to a new host server at FASS to facilitate necessary website improvement for both the expansion and accreditation. So that the code can operate under FASS's IIS based server, it has been translated from PHP to ASP programming languages.

### **Pet Food Program**

- Chair Siegel promoted the Pet Food Program, established the enrollment for the subscription, polled the clients for the appropriate materials, and initiated the program.
- Crawford completed necessary programming changes to accommodate the Program.

### **Mycotoxin Contaminants Program**

- Method codes for mycotoxins were developed and incorporated into the data reporting website.
- Data reported by participants was used to develop a statistical treatment for mycotoxin data in the program. The treatments proposed and presented by Crawford were accepted by the CCSP Committee