

Accreditation to the ISO/IEC 17025 Standard

Resources, strategies and tools from
APHL, AFDO, and AAFCO

AAFCO Laboratory Methods and Services
January 2015

2012-APHL Awarded Multi-Million Dollar Cooperative Agreement to Build an Integrated Food and Animal Feed Laboratory System

Silver Spring, MD – APHL was awarded a five-year cooperative agreement of up to \$7.5 million by the FDA to further the goals of the Food Safety Modernization Act. APHL will work collaboratively with the Association of Food and Drug Officials and the Association of American Feed Control Officials to strengthen and integrate food and feed testing laboratories for the advancement of public health



Associations' Interests in the Agreement

- Support APHL, AFDO, and AAFCO Members by providing resources, strategies and tools to achieve accreditation to the ISO 17025 standard
- Contribute to the development of an Integrated Food Safety System
- Build relationships among the Associations that support food laboratories



FDA's Interest in this Partnership

- FSMA Mandates on building state and local capacity
- Agency commitment to building an integrated food safety system

APHL, AAFCO, and AFDO are in a unique position to help implement these agency priorities

Why Build an Integrated Food/Feed Laboratory System?

- *A common national laboratory accreditation standard will be implemented
- Gather expert opinion, develop consensus statements, assess current practices against standards, communicate with a trusted voice, carry ideas and issues to decision makers, and convey the importance of our members' work
- Educate and train our members and put forth practice guidelines that define the field
- Collaborate on and disseminate regulatory compliance strategies
- Allow leveraging of resources and harmonization of efforts



Member Involvement

SUBCOMMITTEES AND WORKGROUPS

Available Products

COMMUNICATION

TRAINING

REPORTS

TOOLS

GUIDANCE

DATA EXCHANGE

DIRECT ASSISTANCE

Webpage and Resource Site

- Creation of web pages to support Food/Feed Testing Laboratories seeking Accreditation
- Accessible from www.aphl.org
- Housed on our Food Safety Program pages
- Repository of ISO/IEC 17025 resources
- Open to anyone in the governmental food and feed testing community (password protected)

Resources
















Food and Animal Feed Laboratory Accreditation

Accreditation Resources

For Food and Animal Feed Laboratories Only

SAVED TOPICS: [Accreditation](#), [Food Safety Labs](#), [Member Resources](#)

Member Only SOP

-  [4.11 Root Cause Analysis and Corrective Action](#)
-  [4.14 Internal Audits](#)
-  [4.15 Management Review](#)
-  [4.3 Document Control](#)
-  [4.6 Purchasing Services and Supplies](#)
-  [5.2 Training and Competency](#)
-  [5.4 Validation-Verification](#)
-  [5.4.6 Measurement of Uncertainty](#)
-  [5.5 Equipment](#)
-  [5.6 Traceability](#)
-  [5.9 Control Charting](#)
-  [5.9 Proficiency Testing](#)
-  [FDA ORA Documents](#)
-  [Master Lists](#)
-  [Quality Manuals](#)

Member Only SOP

[4.11 Root Cause Analysis and Corrective Action](#)

- [4.11 APHL Root Cause Corrective Action, April 12, 2013](#)
- [4.11 FL admin 061-7dl-uncontrolled](#)
- [4.11 FL CA 663, March, 24, 2011 QAU](#)
- [4.11 FL CA 674, May 4, 2011 LW](#)
- [4.11 FL CA 681, June 1, 2011 M December 7, 2011](#)
- [4.11 FL CA 692, June 2011 M 9511](#)
- [4.11 FL CA695, July 6, 2011 M](#)
- [4.11 FL CA 698-071111-Mol, August 21, 2011](#)
- [4.11 FL s03011 9dl uncontrolled](#)
- [4.11 ORA Laboratory Manual Volume II, Corrective Action Procedure](#)
- [4.11 MT PDP QC 2R v5, Corrective Action](#)
- [4.11 NC Nonconformity Report](#)
- [4.11 NC PD-QMS.009 Control of Nonconformities and Corrective Action v4](#)
- [4.11 ORA Laboratory Manual Volume II - Corrective Action Procedure](#)
- [4.11 Root Cause Presentation, A2LA](#)
- [4.11 TX M0036 Improvement and Preventative Action Procedure](#)
- [4.11 Revised FL CA Log](#)

Food/Feed Laboratory Accreditation Discussion Board

- An on-line forum for the exchange of information related to becoming accredited to the ISO/IEC 17025 standard
- Must request a link to sign up for access
- Accessible through MyAPHL
- Open to state and local food and feed testing personnel

Discussion Board

Browser window showing the APHL Discussion Board page. The URL is <https://www.aphlweb.org/lstsr/FFTABoard/Page/Home.aspx>.

Site Actions: Browse Page

User: i:0#.fjaphluserjyhale@aol.com

-Categories-

- All
- Document Control
- Management Review
- Internal Audits
- Measurement Uncertainty
- Traceability
- Available Training
- Training Needs
- Non-conforming Work
- Corrective Actions
- Preventive Actions
- Proficiency Testing
- Equipment
- Media
- Reagents/Kits/Identification Systems
- General Information (White papers, Newsletters, etc.)
- LIMS/Data exchange
- Partnership for Food Protection (PFP) Information/products
- APHL Information/ products
- Quality Manual
- Other

-Posts-

Edit	Title	Created By	Published	Category	# Comments
	AAFCO Check Sample Program Announcement for 2015		1/6/2015 5:31 PM	Proficiency Testing	0
	Training opportunities are at APHL's website-see link!		1/6/2015 12:11 PM	Available Training	0
	ISO/IEC 17025 Internal Auditor Training & Measurement Uncertainty Workshop		1/6/2015 12:09 PM	Available Training ; Internal Audits; Measurement Uncertainty	0
	Free workshops on Mentoring at ASM meeting in May		12/17/2014 11:21 AM	Available Training	0
	New Eurachem Guide-The Fitness for Purpose of Analytical Methods		12/16/2014 9:09 AM	Other	0
	APHL Seeks Nominees for FDA's Food Advisory Committee		12/11/2014 2:50 PM	Other	0
	White Paper: Understanding What is Needed to Produce Quality Data	sharon.shea@aphl.org	12/11/2014 1:18 PM	General Information (White papers, Newsletters, etc.)	0
	Free webinar-Most Common 17025 Nonconformities in a Food Testing Laboratory		12/2/2014 7:32 PM	Available Training	0
	Question for input to PacNW AOAC meeting		12/1/2014 6:46 PM	Traning Needs	0
	Free Webinar-Dec 3 on Vet Drug Residues in Food Animal Tissue		11/27/2014 7:50 PM	Available Training	0
	Benefits of Accreditation to ISO/IEC 17025		11/25/2014 9:52 AM	Other	1
	Free Pre-recorded webinar Document Control One Lab's Journey		11/21/2014 11:24 AM	Available Training	0
	Free recorded webinar: How sample mass and particle size affects the uncertainty of your analytical measurements		11/14/2014 10:43 AM	Available Training	0
	Change management webinars now on the Training Resource Page		11/4/2014 2:04 PM	Available Training	0
	John Kotter's Leading Change-\$1.95 for audiobook		10/30/2014 4:34 PM	Available Training	0
	Webinar-Moving Laboratory Research on Pathogen Detection into Commercial Practice		10/29/2014 3:20 PM	Available Training	0
	Webinar: Food Safety Magazine: Improved identification of pesticides using APCG-MS		10/29/2014 11:32 AM	Available Training	0
	ACS Lunch and Learn-Lunch and Learn Webinar Series with "How Sample Mass and Particle Size Affects the Uncertainty of Your Analytical Measurements"		10/29/2014 11:12 AM	Available Training	0
	Vacancy-Laboratory Quality Systems Manager-Alaska		10/22/2014 11:02 PM	Other	0
	Suggestion to share training resources		10/20/2014 12:28 PM	Other	0
	Free Change Management-2 part APHL Training Webinar starts October 23		10/17/2014 11:18 AM	Available Training	1
	Internal Auditor and MU Training in December 2014		10/11/2014 12:39 PM	Available Training	0

Windows taskbar shows the time as 9:52 AM on 1/9/2015.

Discussion Board

[Home](#) | [Create a New Post](#) | [My Stats](#) | [Set Post Alerts](#) | [Set Comment Alerts](#)

October
09

4.2-Document Control Software

[Edit](#)

by yhale@aol.com on 10/9/2013 10:19 AM

If you have purchased a Document Control software, what are you using? Could you share some of the pros and cons?

If you have not purchased software, how are you handling document control in your laboratory?

Thanks for any feedback-this is one of the most frequently asked questions!

 |  |  5 Comment(s)

Comments

Document Control Software

[Edit](#)

Hello,

In Arizona our IT determined that they wanted us to have an in house system, so we are currently in the test phase of a Share point Document Control system. So far the test seems to be working well, they are still developing the "control" access for the system, but so far it looks good.

Kathryn

[i:0#.f\[aphluser|kathryn.wangness@azdhs.gov](mailto:i:0#.f[aphluser|kathryn.wangness@azdhs.gov) on 10/9/2013 11:29 AM

Free Webinar on Document Control by iPassport on 11/25/13

[Edit](#)

Genial Genetics, a Silver Level Sustaining Member of APHL, is hosting a free introductory webinar to iPassport, specifically tailored for APHL member laboratories, entitled "iPassport, a PHL Success." The webinar, organized in conjunction with APHL's Quality Systems Program, will be held on Monday, November 25, 2013 at 2 pm Eastern time. iPassport is a complete quality management system including comprehensive document control and compliance management tools. To date, the product has 1,250 users in 15 public health laboratories and is being utilized across a collective total more than 300 departments. Besides document control and general compliance management, the system has tools to deal with standards management, auditing, task management, equipment maintenance cycles, staff competency, complaint management, inventory control and staff training documentation. In order to participate in the webinar, APHL members must register for this free event at <http://www.genialgenetics.com/aphl-webinar>. For more information on iPassport, visit <http://www.genialgenetics.com>.

Association Training

- Prioritized list of training topics
- Spreadsheet of currently available ISO/IEC 17025:2005 training
- 3 Pre-recorded webinars **ISO/IEC 17025 Road to Accreditation:**
 - *Where to Start and What to Consider,*
 - *The Journey Continues...,*
 - *ISO/IEC 17025 Section 4.3 Document Control 'One Lab's Journey'*

Association Training

- 2 pre-recorded webinars on Document Management and Quality Manual Basics
- “Build your own QM” workshop
- “Let’s Go! ISO! How your colleagues began their path to ISO accreditation” workshop
- Mentoring: 2 webinars and 1 workshop
- Sampling Awareness Building Seminars

Training Website

The screenshot shows a web browser window displaying the APHL Training Resources page. The browser's address bar shows the URL: <http://www.aphl.org/aphlprograms/food/laboratory-accreditation/Pages/Training-Resources.aspx>. The page content is organized into several sections:

- Preparedness and Response**
 - [Institutional Research](#)
- Available Training**
 - [ISO17025 Available Training, September 2014](#)
 - [Other Available Training, September 2014](#)
 - [References/Documents/Other Resources, September 2014](#)
- Webinars**
 - [ISO/IEC 17025 Road to Accreditation: Where to Start and What to Consider](#) (Released August 30, 2013)
 - [ISO/IEC 17025 Road to Accreditation: The Journey Continues...](#) (Released April 3, 2014)
 - [Key Elements of a Laboratory Quality Manual for US Food and Feed Laboratories](#) (Released June 12, 2014)
 - [Mentoring Basics – Collaborative Approach to Achieving ISO/IEC 17025:2005 Accreditation, Part 1](#) (Released June 19, 2014)
 - [Mentoring Basics – Collaborative Approach to Achieving ISO/IEC 17025:2005 Accreditation, Part 2](#) (Released June 20, 2014)
 - [Ethics and Data Integrity for Environmental Laboratories](#) (Released September 16, 2014)
 - [Managing Change Rather than Change Managing You, Part 1](#) (Released October 23, 2014)
 - [Managing Change Rather than Change Managing You, Part 2](#) (Released October 30, 2014)
 - [ISO/IEC 17025 Section 4.3 Document Control 'One Lab's Journey'](#) (Released November 20, 2014)

On the right side of the page, there is a sidebar with a search bar and a list of training resources, including:

- [Managing Change Rather than Change Managing You, Part 2](#) (Released October 30, 2014)
- [ISO/IEC 17025 Section 4.3 Document Control 'One Lab's Journey'](#) (Released November 20, 2014)
- ["Let's Go ISO" 2014 APHL Annual Meeting Pre-Conference Workshop Presentations](#)
 - [Let's Go, ISO! How your Colleagues Began their Path to ISO Accreditation](#)
 - Moderator - Yvonne Salfinger, MS, APHL Consultant
- [Where will you begin your Pathway to ISO?](#)
 - Sharl Shea, Director, Food Safety Program, APHL
- [Applicable Standards and Improvement Efforts](#)
 - Michael Wichman, MS, PhD, State Hygienic Laboratory at the University of Iowa
- [Scope of ISO Accreditation](#)
 - Audrey Pilkington, BS, North Carolina Department of Agriculture
- [Experience from the Field \(New York\)](#)
 - Cynthia Mangione, BS, New York State Department of Agriculture and Markets
- [Experience from the Field \(Colorado\)](#)
 - Laurie Peterson-Wright, MS, Colorado Department of Public Health and Environment
- [Experience from the Field \(Arizona\)](#)
 - Kathryn Wangness, MHA, Arizona State Public Health Laboratory

The bottom of the page features a footer with the APHL logo and the text "ASSOCIATION OF PUBLIC HEALTH LABORATORIES". The browser's taskbar at the bottom shows the Windows Start button, several application icons, and the system clock displaying 11:25 AM on 1/9/2015.

Partner Training

<http://www.ifpti.org/publications>

DEVELOPING A COMPETENCY FRAMEWORK FOR U.S. STATE FOOD AND FEED TESTING LABORATORY PERSONNEL

708 KAME ET AL. JOURNAL OF AOAC INTERNATIONAL VOL. 97, NO. 3, 2014

AGRICULTURAL MATERIALS

Developing a Competency Framework for U.S. State Food and Feed Testing Laboratory Personnel

CHAO KAME

International Food Protection Training Institute, Cambridge, Battle Creek, MI

CHRISTOPHER C. WISE

Global Food Protection Institute, Research and Documentation, Battle Creek, MI

PAT DUNCAN

Western Carolina University, College of Health and Human Sciences, Culloway, NC

MARIA JONES

Florida Department of Agriculture and Consumer Services, Division of Food Safety, Bureau of Food Laboratories, Tallahassee, FL

DEBRA H. RICE

New York State Department of Agriculture & Markets, New York State Food Laboratory, Albany, NY

RON KLEIN

Association of Food and Drug Officials, York, PA

VICTORIA SALPINDER

Tallahassee, Florida Department of Agriculture and Consumer Services, Division of Food Safety, Bureau of Food Laboratories, Tallahassee, FL

A competency-based training continuum framework for U.S. state food and feed testing laboratories personnel is being developed by the International Food Protection Training Institute (IFPTI) and three partners. The framework will help laboratories catalog existing training resources, identify training gaps, inform training curricula, and create career-spanning professional development learning paths, ensuring consistent performance expectations and increasing confidence in altered test results. Ultimately, the framework will aid laboratories in meeting the requirements of ISO/IEC 17025 (2004) International accreditation and the U.S. Food Safety Modernization Act (U.S. Public Law 111-353). In collaboration with the Association of Food and Drug Officials, the Association of Public Health Laboratories, and the Association of American Food Control Officials, IFPTI is carrying out the project to

based curriculum framework in 2013-2014 that will help aid the U.S. system of regulatory public health laboratories in meeting the requirements of ISO/IEC 17025 (2004) International accreditation and the U.S. Food Safety Modernization Act (FSMA). The project, which is funded by a cooperative agreement with the U.S. Food and Drug Administration (FDA), will help laboratories catalog existing training resources, identify training gaps, inform training curricula, and create career-spanning professional development learning paths, thus ensuring consistent performance expectations and increasing confidence in altered test results.

The U.S. system of regulatory public health laboratories includes state public health laboratories, local laboratories, state agricultural or environmental agencies laboratories, laboratories under a state charter, and subsidiary laboratories that test food and/or feed. This system of laboratories protects the public against disease and health hazards through clinical diagnostics, disease surveillance, and food, feed, environmental, and

PUBLICATIONS

PRESS KIT

PRESS RELEASES

STAY CONNECTED



GFPI INSIGHTS

READ NOW

Partner Training

IFPTI Curriculum Framework project

[illegible]

Reports

http://www.aphl.org/aphlprograms/food/laboratory-accreditation/Documents/2013Aug20_DataExchange_FDA%20Discovery%20Document.pdf

Rapid and Thorough Submission of Clinical Specimens/ Isolates to Public Health Laboratories

Data Exchange among Food and Feed-Testing Laboratories and FDA's eLEXNET

Discovery
Document



August 2013

operative Agreement work with FDA, the APHL Food Safety Committee Group* that is attempting to identify and resolve challenges to the submission of specimens/isolates (related to foodborne illness) to public health laboratories. This report summarizes the work group's findings to date including current challenges between clinical and public health laboratories, current challenges to the submission of specimens, workable solutions to these challenges, and proposed

A public health laboratory system is to provide food safety testing for surveillance systems such as PulseNet and NARMS help form the laboratory system. These systems rely on isolates that are almost always

Tools

- Subject Matter Expert (SME) Registry of food and feed laboratory professionals
<http://www.afdo.org/sme/>
- List of relevant PT providers for food and feed laboratories
- Accreditation of AAFCO's PT program
- Expansion of AAFCO's PT program

Tools

to.org/sme/

Tools Help

[Home](#) > [Resources](#) > Subject Matter Experts Registry

Subject Matter Experts Registry [\(Apply here\)](#)

The Manufactured Food Regulatory Program Alliance (MFRPA) has developed a registry of subject matter experts (SMEs). The SMEs database supports the MFRPA's mission of community-building, information exchange, and a national food safety system. This database will continue to grow with contributions from the Association of Food and Drug Officials (AFDO) and the U.S. Food and Drug Administration (FDA).

Search by "Areas of Expertise" or using keywords.

Areas of Expertise

- Animal Feed Testing (10)
- Civil or Criminal Investigations (10)
- Dairy (23)
- Environmental Health (49)
- Epidemiology (11)
- Food Laboratory (56)
- Food Law & Regulation (60)
- Food Processing Technologies (42)

Advanced search...

Search: Found: **160** Show:

Name	Contact	Expertise
Ahmed, Mohammed Ohio Department of Agriculture	ahmed@agri.ohio.gov 6147286317	Animal Feed Testing, Food Laboratory
Ahmed, Rasheed Environmental Health Supervisor	Rasheed.Ahmedr@gmail.com 96508190196	Environmental Health, Food Law & Regulation, Regulatory Inspections - Retail Food

Service to participants on a regular schedule to be tested for analytes of interest by each laboratory. All materials requiring preparation are preground. Results for individual analytes are reported using specified AAFCO method codes and units to allow for analysis of the performance of individual methods or method types. Laboratory data are reported using the AAFCO Data Reporting Website. Reported results are analyzed statistically and participants receive performance scores for each analyte and method reported.

Report cards and consensus reports are downloaded from the Data Reporting Website.

New for 2015, we are offering four related programs that target different testing needs. Extra materials from each testing round are offered for purchase as Quality Reference Materials (QRMs) or "past samples."

Mycotoxin Contaminants Program

The AAFCO CSP Mycotoxin Program consists of quarterly shipments of animal feed or pet food that has been contaminated with naturally incurred mycotoxins. Mycotoxins that may be present include aflatoxins, fumonisins, deoxynivalenol, zearalenone, ochratoxin A and T-2 toxin. Subscription to the Mycotoxin Contaminants Program is limited to laboratories in the U.S. and Canada for 2015.

Minerals Program

The AAFCO CSP Minerals Program consists of quarterly animal feed, pet food, and food samples with both naturally occurring and spiked minerals at concentrations of health/toxicological significance. Minerals present may include aluminum, arsenic, boron, cadmium, chromium, cobalt, copper, fluorine, iodine, lead, mercury, molybdenum, nickel, selenium, sulfur and vanadium. The Minerals Program is available worldwide for 2015.

Proficiency Test List

http://www.aphl.org/aphlprograms/food/laboratory-accrediation/Pages/Accreditation-Resources.aspx Accreditation Resources


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Preparedness and Response

Institutional Research

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Your Lab Training Partner
LEARN MORE >>

Public Resources

- AAFCO Meeting Panel Presentation on Accreditation
- Proficiency Testing – Compliance with the ISO/IEC 17025 Standard
- Why Become an Accredited Laboratory?
- Why Use an Accredited Laboratory?
- Regulatory and Governmental Entities: Benefits of Using an Accredited Laboratory
- Laboratories: Advantages of Accreditation
- FDA Office of Regulatory Affairs (ORA) Quality Manual
- List of Proficiency Testing Providers

KIRSTEN LARSON, MPH
Manager, Food Safety
240.485.2759
kirsten.larson@aphl.org

MEMBERSHIP APPLICATION

 Public Health Associate Institutional

HOW TO ACCESS RESOURCES

Resources and Discussion Board Flyer

RELATED CONTENT

[illegible]

Guidance

- Revising AAFCO Quality Assurance Quality Control Guidelines for State Feed Laboratories in February
- Developing GOODSamples to ensure consistency in the collection and handling of food/feed materials to improve data quality and accuracy

PFP Laboratory Guidance

- FDA's Partnership for Food Protection released Best Practice Guidelines for labs performing regulatory testing in Dec 2013
- One goal of these guidelines is to assure acceptance of data from state/local labs
- Review the PFP section on laboratory equivalency, provide guidance on content, and develop a resolution of support and implementation

<http://www.fda.gov/downloads/ForFederalStateandLocalOfficials/FoodSafetySystem/UCM378504.pdf>



Data Exchange



- Evaluate documented technical and standards work for food/feed lab data exchange
- Provide feedback on eLEXNET upgrades
- Examine core data elements in order to identify the minimum elements that meet eLEXNET requirements

Direct Assistance

- On-site consultation
- Perform data input to relieve QM of this duty
- Organize and review records or documents
- Provide internal audits
- Search for and provide sources
- Available by phone to provide information and suggestions

Achieving these objectives requires extensive collaboration and coordination among the three Associations, with federal partners, and with a wide range of stakeholders.

Import Alerts

- NY State Food Lab accredited to ISO 17025 standard
- < 12 Import Alerts linked to NYSDAM data prior to 2008
- > 36 Import Alerts since 2008
- > 12 Import alerts this year alone
- Work closely with FDA NY State District office



Chinese Chicken Jerky Treats

- Collaboration with Vet-LIRN members in FDA CVM and Cornell U Vet Diagnostic Lab
- NYSDAM worked closely with FDA NY District office, NY State initiated a recall in 2012 – resulted in a national recall of several brands
- Provided data packets and methods to FDA for review



Imported Chia seed products

- Timeline from report of analysis to Import Alert < one week - fast
- NY FDA District and NYSDAM participated in CORE Tactics Meetings & Ops Briefings
- Successful collaboration between State and FDA resulted in prevention of future adulterated product from entering U.S. commerce



Here's to safer food through quality
data from accredited laboratories

Thank you!

