



FINAL: March 7, 2022

## Laboratory Methods and Services Committee Report/Minutes

AAFCO Midyear Meeting

Mobile, AL

Wednesday, January 19, 2022, 8:00AM to 3:15PM (CST)

### Committee Recommendations

Committee recommendation summary or list.

(1) None

### Board Recommendations

Board recommendation summary or list.

(1) None.

### Association Actions

Association action summary or list.

(1) None.

### Committee Participants

#### Members Present:

Joshua Arbaugh	West Virginia Dept. of Agriculture
Ametra Berry	Georgia Dept. of Agriculture
Srinu Chigurupati	FDA / ORA / Office of Regulatory Science
Deepika Curole	Louisiana Dept. of Agriculture
Hemakanthi De Alwis	FDA/CVM/Office of Research
Trish Dunn	Office of the Indiana State Chemist
Sally Flowers	Kansas Dept. of Agriculture
Buddhika Galkaduwa	Kansas Dept. of Agriculture
Tai Ha	Nebraska Dept. of Agriculture
William Hoek	New York Dept. of Agriculture & Markets
H. Dorota Inerowicz	Office of the Indiana State Chemist
Robyn Johnson	Montana Dept. of Agriculture
Maryam Khosravifard	California Analytical Chemistry/Environmental
Mary Koestner	Missouri Dept. of Agriculture
Dominika Kondratko	Colorado Dept. of Agriculture
Mark LeBlanc	Office of the Indiana State Chemist
Patty Lucas	Florida Dept. of Ag and Consumer Services
Kristi McCallum	Colorado Dept. of Agriculture
Rebecca Moseley	Alabama Dept. of Agriculture
Lawrence Novotny	Life Member (Elected in 2021)
Ruiqing Pamboukian	FDA/ORA/OGROP/ORO/ORO/DFS/HFC-140
Tom Phillips	Maryland Dept. of Agriculture
Melanie Titley	Canadian Food Inspection Agency
Mark Skasko	FDA/CVM
David Snell	Office of the Indiana State Chemist
Brenda Snodgrass	Life Member/AAFCO PT
Michele Swarbrick	Minnesota Dept. of Agriculture
Angela Swinford	FDA/ORS
Sharon Webb	University of Kentucky Regulatory Services
Ronald Winter	FDA/ORA/OP
Dancia Wu	Office of the Indiana State Chemist

**Advisors Present:**

Jenny Bailie	American Feed Industry Association
BJ Bench	Tyson Foods
Andy Crawford	Consultant
Alexis Huyghues-Despointes	JH Smuckers
Jeff Horst	Agri-King, Inc.
Cassandra Morse	Neogen
Matt Nichols	Neogen
Heidi Phillips	AAFCO PT QAM
Lars Reimann	Eurofins
Ken Riter	Nestle-Purina Analytical Labs
Leo Schilling	Eurofins

**Committee Report**

**Committee Activities**

ACTION: None

**Sub-Committee Activities**

ACTION: None

**Committee Minutes**

- 1) Welcome, Introductions, & Adoption of Agenda- K. McCallum & S. Webb
  - a. Meeting called to order at 11:01 am, CST
  - b. Motion to accept Agenda- Joshua Arbaugh, WV
  - c. 2<sup>nd</sup>- Sally Flowers, KS
  - d. Motion passes unanimously
  
- 2) Review of Committee Roster and Appointments- K. McCallum
  - a. Please email [Kristina.mccallum@state.co.us](mailto:Kristina.mccallum@state.co.us) with any changes
  
- 3) FoodShield Group Update – K. McCallum
  - a. The LMSC has a group in FoodShield created and managed LMSC co-chairs
  - b. Members and advisors have been given access to this group on FoodShield
  - c. LMSC Documents, meeting minutes, rosters, LMSC working groups, meetings will be stored in FoodShield for LMSC. All current LMSC members and advisors have access to these.
  - d. Members and advisors agreed unanimously to use FoodShield for LMSC
  - e. Non-members cannot access this group on FoodShield
  
- 4) Presentation, Verification of Randox Myco 7 Method and Coccidiostats by Dr. Sharon Webb, University of Kentucky Regulatory Services
  - a. Myco 7 method is being submitted to AOAC
  - b. Randox published a paper in the World Mycotoxin Journal

- c. Validation method KY used was presented (see presentation on AAFCO Website)
  - d. Contact Sharon Webb for validation plan [sfwebb2@uky.edu](mailto:sfwebb2@uky.edu)
  - e. Very important to discuss the scope of analysis with customer to ensure LOD/LOQ and MU meet your customer needs
  - f. Sample dilutions for method can be very confusing – email Dr. Sharon Webb for the excel spreadsheet for dilution calculations
- 5) Presentation, Analytical Methods for Mannan and  $\beta$ -Glucan Determination for Ingredients Derived from Yeast by Jiri Kratochvil, Lesaffre
- a. Presentation uploaded on AAFCO website under Laboratory>Meeting Minutes and Presentations
- 6) Presentation, APHL Update, Robyn Randolph, APHL
- a. Updates were given for the following APHL initiatives:
    - i. GenomTrakr and WGS submission
    - ii. Accreditation Resources
    - iii. Human and Animal Food Subcommittee
    - iv. APHL membership benefits, Public Health Laboratory System Database (email Robyn Randolph at [robyn.randolph@aphl.org](mailto:robyn.randolph@aphl.org) if you want your lab information added to the PHLS database)
    - v. Task Force to Engage Members
    - vi. Training Resources (new webinars and courses available)
  - b. APHL has added a Chemistry and Radiochemistry Sub-committee. If interested in joining, please email Robyn Randolph.
- 7) LMSC Working Groups
- a. K. McCallum presented the structure, lead contacts and initiatives of the new LMSC Working Groups.
  - b. Working groups were formed from the results of the 2021 LMSC Laboratory Capability Survey.
  - c. The following is a list of 2022 LMSC Working Groups/Leads
    - i. Moisture – L. Novotny
    - ii. Metals – S. Webb
    - iii. Mycotoxins – S. Webb
    - iv. Fat Soluble Vitamins – K. Riter/D. Inerowicz
    - v. Microbiology – K. McCallum
    - vi. Toxins (Dioxin/Pentobarbital) – T. Phillips
    - vii. Drug Residues – L. Schilling
    - viii. Pesticide Residues – K. McCallum
    - ix. Hemp – K. McCallum
  - d. Need Official method for Karl Fischer titration in pet food

- e. Metals WG will work on Best Practice documents and training as well as digestion methods. Separate WG into nutritive and non-nutritive for toxic metals.
- f. Need to establish a Scope of Work document for analytical methods requested by State Regulatory programs to capture analytical method requirements such as LOD/LOQ, MU, method requirement if any, matrices, etc. – K. McCallum will draft a template.
- g. Mycotoxins WG needs a lead. If interested, please contact Sharon Webb [sfwebb2@uky.edu](mailto:sfwebb2@uky.edu) WG will continue with best practices and methods. This WG needs method submitted for LC/MS/MS. Please email Sharon Webb if you would like to share a method.
- h. Microbiology WG will focus on training. K. McCallum is working on training for state laboratories. Methods for microbiology are well-established.
- i. Fat Soluble Vitamin WG – Dr. Ken Riter gave a presentation which detailed WG updates and future work that needs to be done on test portion size. The presentation is available on the AAFCO website. Presented work was published in JAOAC, 105(1), 2022, 288-298.
- j. Toxins (Dioxin/Pentobarbital) – Pentobarbital method may be available from FDA. Methods for Dioxin are not available. T. Phillips will search for methods.
- k. Drug Residues – There are a lot of LC/MS methods available. WG will work on Best Practice guidance and collecting methods.
- l. Pesticide Residues – NY Dept. of Ag has a multi-residue method for LC/MS/MS. Most state labs already test for pesticide residues and can do so in animal feeds.
- m. Hemp – Discussed the AAFCO Position Statement regarding hemp by-products in animal feed. WG needs to establish method criteria (analytes THC/CBD, LOD/LOQ, MU) and will need labs to perform a matrix-extension validation on existing GC-FID or HPLC methods. The WG will focus on THC and then cannabinoids.

8) Meeting adjourned on Wednesday, January 19, 2022, at 3:15 PM CST.



FINAL: March 7, 2022

## Appendix

Attachments:

For a list of presentations given during this meeting, please see the AAFCO Laboratory Methods and Services committee website at the following link:

<https://www.aafco.org/Regulatory/Committees/Laboratory-Methods-and-Services#minutes>