

Report on the AOAC International Annual Meeting - 2016

Attended by Jo Marie Cook and Amy Brown

Friday, September 16, 2016:

Stakeholder Panel on Dietary Supplements (SPDS)

The very production Dietary Supplement Stakeholder Panel considered 4 standard method performance requirements (SPMPR) and launched 4 working groups to draft more. This group has already approved First Action Official Methods for Chondroitin, PDES Inhibitor, Ashwagandha, Aloin and Tea. They have also drafted SMPRs for:

- Authentication of Vaccinium species,
- Determination of total Chondroitin sulfate,
- Adulterants in Chondroitin,
- Identification and determination of Phosphodiesterase type 5 (PDE5),
- Glycosides and Aglycons of Ashwagandha,
- Alkaloids of Kratom,
- Total phenolic content Folin-C Assay,
- ID of Cinnamomum bark,
- Multiple components in Tea supplements
- Determination of Aloin A & B
- Determination of Vitamin D

At the 2016 meeting, SMPRs for multiple methods are near approval:

- Vitamin pre D, D2 and D3
- Total Aloe Vera based on marker polysaccharides, adulterants including isocitric acid and identification / authentication
- Identification and quantitation of polypeptides > 10,000 daltons in plant and animal species
- Vitamin B12 Must distinguish active vitamin B12 corrinoids (Methylcobalamin, Cyanocobalamin, Adenosylcobalamin, Hydroxocobalamin) from inactive forms

At the 2016 meeting, working groups were launched to write SMPRs for;

- Free Amino Acids
- ginger constituents
- Vitamins K1 and K2

September 17, 2016

Stakeholder Panel for Infant Formula and Adult Nutritionals (SPIFAN)

Many of the Infant Formula methods are being considered for adoption by Codex. AOAC is also working with ISO and IDF to have harmonized methods. Next steps for SPIFAN includes outreach and trainings including webinars to assure adoption of these methods. There are several global outreach programs planned to assure adoption of these methods in China and India as well as other countries. Reference materials have been developed and AOAC is beginning a proficiency testing program.

September 18, 2016

Stakeholder Panel on Strategic Food Analytical Methods (SPSFAM)

- A collaborative study for heavy metals in foods by ICP/MS will begin in October.
- A method for arsenic in fruit juice has been adopted
- Looking for support for an arsenic in rice method
- SMPRs and ERPs for Ethanol in Kombucha
- SMPR and ERPs for Allergens by MS
- Working group to write SMPR for Proanthocyanidins in Cranberry Products
- Nestle proposed an suite of 5 methods to test for hundreds of antibiotics in foods. This is a proposal that has not yet been supported by the panel.

Cannabis working group

- A working group on Cannabis potency was launched to write and SMPR
- Pesticides in Cannabis was discussed in a session on Wednesday.
- Another stakeholder panel is working on Pathogens in Cannabis

September 19, 2016

Official Method Board Meeting

The finances of the organization are good and the Executive Director is working to attract more companies as organizational affiliates. They have very successful AOAC Sections in China and are working to establish new sections in north and south Africa in the next couple years.

September 19 – 20, 2016

Chemical Contaminants Community

This year, there were very active meetings in all subgroups including in depth discussions on multi-vet drug methods, pushing more metals methods forward and another huge mult-pesticide residue method by Dr. Pang for GC and LC Q TOF.

September 21, 2016

Expert Review Panels

Unfortunately, due to illness in AOAC Staff, the ERPs for PAHs, Pesticides and Starch were cancelled. These were all initiatives to move methods from First to Final Action and it is hoped that these ERPs will meet via conference call in October.