

# CODEX ALIMENTARIUS COMMISSION



Food and Agriculture  
Organization of the  
United Nations



World Health  
Organization

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**Agenda Item 9**

**MAS-CRD/16  
ORIGINAL LANGUAGE ONLY**

## **JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON METHODS OF ANALYSIS SAMPLING**

### **THE REPORT OF 32nd INTERAGENCY MEETING (IAM-32)**

**Monday, 14.00 – 16.00h CET, 10th May 2021**

**Virtual Meeting**

**Provisional Minutes**

**(as of 10 May 2021)**

#### **Chair's welcome/ introduction**

Richard Cantrill welcomed the participants to the first virtual meeting. He apologised for the absence of the usual catering facilities. He noted the attendance of the CCMAS Chair Dr. Nagy and his staff and the Codex Secretariat represented by Verna Carolissen. He also thanked FAO for making the video conference call facilities available to IAM.

#### **Apologies for absence**

Ralf Josephs, BIPM

#### **Participant introductions**

A list of participants is attached (Appendix 1). The Chair asked that new attendees submit organizational information so that membership applications could be considered.

#### **Adoption of the Agenda**

Dr. Nagy asked to add a new item under Other Business. Adoption of the agenda was then unanimous.

#### **Report of IAM-31 Meeting**

Adoption of minutes: Minutes of the 2019 meeting were approved by unanimous consent.

Matters arising: Darryl Sullivan (AOACI) raised the issue of a follow-up discussion on the appointment of a Vice Chair. This was added to the agenda under Other Business.

#### **Update on CXS 234 Review**

##### General Comments on the Methods Endorsement WG

A number of items had been referred to the Working Group on Methods for Endorsement and Greg Noonan (WG co-Chair) was invited to outline issues where SDOs could be of assistance. The participants focussed on issues highlighted in a summary paper prepared by the WG co-Chair. It was made clear that the paper was neither the position of the US delegation, nor the WG Chairs; it was solely to provide a roadmap for discussions. A number of items were clarified:

- **Elemental analysis of dairy-based products:** The members decided that, in view of the range of matrices involved, retaining specific methods with their typing would be preferable to the criteria approach.

- Sweetness: A number of organizations confirmed that there are no equipment-based methods to differentiate levels of sweetness at this time.
- Dietary fibre: The participants were given an overview of the revised method proposed for the provision and agreed with the WG co-Chair that a discussion on how this change may affect the determination of other types of fibre was probably warranted.
- Noni juice and kava products: Concern was expressed regarding the methods of analysis proposed for noni juice and kava products, especially those involving TLC or journal references without further detail. Methods for these products may be considered as future work items for IFU.

Choosing Type II and Type III methods: The participants generally felt this was a worthwhile approach but noted that it should not become a hard and fast rule as there were instances where less-well validated methods of analysis were chosen by trading partners in preference to more recent, fully-validated alternatives. It was also noted that this approach had already been successfully applied in the review of some methods in workable packages.

The Dairy workable package is nearing completion and the participants were given an overview of progress and remaining issues by Aurelie Dubois (IDF). It is anticipated that this work package will be completed during the current session of CCMAS.

The Fats & Oils workable package is under review and the output of the electronic working group will be discussed during the current meeting. ISO and AOCS had assessed the package prior to the work of the working group and have also revisited the final output. The chair of the Methods Endorsement WG noted that there were 25 items that needed to be discussed and encouraged SDO members to be prepared to deal with these issues, especially during the WG meeting.

Cereals workable package: AACC methods have been prepared as workbooks and forwarded to reviewers within the Cereals & Grains Association membership and also to AOACI, ISO/TC 34/SC 4, and to ICC. The leadership is waiting for the completed workbook(s) to be returned from one of the expert groups. Once all the workbooks are returned, an assessment will be made regarding how long the work might take to complete and submit to CCMAS.

AOAC methods in Codex standards: The Dairy package is essentially complete and the excellent leadership of Aurelie Dubois was recognized in finishing this work. The AOAC review of the Fats & Oils package work is approximately 25% complete and the review of the Cereals package is about 33% complete at this time.

### **CCMAS Item Guidance on Endorsement**

#### Incorporation of change of methods/method corrections in Codex documents

The Guidance Document (previously prepared by IAM members and adopted by CCMAS 41) has not been fully embraced by the Commodity Committees yet. SDOs should promote its use when working with Commodity Committees and provide early feedback to avoid issues later during the Methods Endorsement WG or during CCMAS plenary discussions. It was noted that comments had been made at the previous CCMAS meeting about the Guidance Document for discussion during the plenary meeting, but no written comments had been received.

#### Revision of the Guidelines on Measurement Uncertainty

These guidelines have been out for review for several months and nearly an entire day of discussion is devoted to this topic during the CCMAS plenary. AAFCO commented that the document might need to be further edited though it was unclear if this was in reference to the most recent version. The Codex Secretariat will liaise with AAFCO to determine if an issue still exists. The delegate from Eurachem also wondered if their previous comments had been resolved in the final version of the document and would check with relevant experts.

#### Revision of the General Guidelines on Sampling

In general, IAM participants were of the opinion that this document is fit for purpose.

## Updates by IAM members

### Method Validation/Statistical Update

AOACI has made progress on the use of proficiency test data gathered over a period of years to generate method performance data for methods of analysis. Two examples will be published in JAOAC this year in support of this way of generating reproducibility data. A summary of the data for a method for turmeric is current available in JAOAC (Elizabeth M Mudge, Paula N Brown, Catherine A Rimmer, Melissa M Phillips. *Determination of Curcuminoids in Turmeric Dietary Supplements by HPLC-DAD: Multi-laboratory Study Through the NIH-ODS/NIST Quality Assurance Program*, Journal of AOAC INTERNATIONAL, Volume 103, Issue 6, November-December 2020, Pages 1625–1632. <https://doi.org/10.1093/jaoacint/qsaa069>). AOAC were of the opinion that such an approach may only be applicable on a case-by-case basis and the development of generic guidance may not be possible.

### Revision of ISO 5725 – update

The revised *ISO 5725-2:2019. Basic method for the determination of repeatability and reproducibility of a standard measurement method* has been published and a summary of the major changes follows:

- Permission is given to use alternative scrutiny and outlier detection tests provided that the performance is comparable;
- Permission is given to apply modern statistical methods available for calculations of the relevant precision and trueness characteristics;
- Guidance on the number of laboratories required for a precision study has been included;
- information on the computation of critical values has been included.

*Part 1 : General principles and definitions* and *Part 3: Intermediate measures of the precision of a standard measurement method* are currently at the Committee Draft stage.

**Exchange of Reports and Information/Concerns of Members** (Conferences, symposia, workshops, white papers, publications etc.) representatives from each organization attending the meeting were invited to inform members of their recent and upcoming activities. A main theme was the transition from physical to virtual meetings and the possible return to physical or hybrid models. Details submitted by each organization will be collated and posted on the IAM webpage at a future date.

### Website (<https://www.moniga.org/IAM>) Update

IAM material can be found at the address above. Its status will be determined at a future MoniQA Supervisory Board Meeting and any changes will be forwarded to the members.

## Other Business

Vice-Chair discussion: Darryl Sullivan (AOACI) will send a proposal for developing a role for an IAM Vice-Chair. This will be handled by email in the coming weeks/months.

Video presentation: CCMAS Chair Atilla Nagy asked if organizations could share a link or supply videos (5-8 min. max) related to the methods in CXS 234. The videos would be run during breaks in the CCMAS plenary. In the future those videos demonstrating methods of analysis could be added to the new CXS 234-database on the CCMAS (FAO) website as a “guide from SDOs to perfect method performance”.

## Provisional Date and Place of Next Meeting

The IAM participant were optimistic about holding in-person meeting, Budapest, Hungary, May 2022 in advance of CCMAS 42.

The chair thanked the participants and closed the meeting at 16:30.

**Appendix 1: 2021 List of Attendees for IAM-32**

<b>Affiliation</b>	<b>Name</b>	
AACCI (Cereals&Grains)	Anne Bridges	
AACCI (Cereals&Grains)	Paul Wehling	
AACCI (Cereals&Grains)	Jody Brunette	
AAFCO	Richard Ten Eyck	
AAFCO	Nancy Theix	
AOACI	Palmer Orlandi	
AOACI	Darryl Sullivan	
AOACI	Erik Konings	
AOCS	Scott Bloomer	
Codex Secretariat-invited	Verna Carolissen	
CEN TC 275	Duncan Arthur	
CEN TC 327	Christoph von Holst	
Chair PWG-invited	Greg Noonan	
Eurachem	Marina Patriarca	
FOSFA/ISO TC 34/SC 11	Gretel Bescoby	
HU-invited	Nagy Attila Eli	CCMAS Chair
HU-invited	Krisztina Franyo	
ICC	Amine Jbeily	
ICC	Valentina Narducci	
ICC	Barry McCleary	
IDF	Aurelie Dubois	
IDF	Steve Holroyd	
IDF	Philippe Trossat	
IFU	David Hammond	
ISDI	Dustin Starkey	
ISO CS	Marie-Noelle Bourquin	
ISO TC 34	Sandrine Espeillac	
ISO TC 34/SC 5	Marcel deVreeze	
ISO TC 34/SC 16	Ray Shillito	
ISO TC 276	Michael Sussman	
IUPAC	Zoltan Mester	
MoniQA	Roland Poms	
MoniQA	Bert Popping	
MoniQA	Linda Monaci	

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Netherlands-invited	Yannick Weese	poel
NMKL	Eystein Oveland	
NMKL	Dag Gronningen	
PWG-invited	Melissa Phillips	
UNIDO	Samuel Godefroy	
USP	Gina Clapper	Secretariat
USP	Kristie Laurvick	Secretariat
USP/IND	Richard Cantrill	Chair IAM