



**JOINT FAO/WHO FOOD STANDARDS PROGRAMME
CODEX COMMITTEE ON NUTRITION AND FOODS FOR SPECIAL DIETARY USES**

Forty-first Session

**Düsseldorf, Germany
24 - 29 November 2019**

Matters Referred by the Codex Alimentarius Commission and/or Other Subsidiary Bodies

A. DECISIONS OF THE 42nd SESSION OF THE COMMISSION (CAC42)

MATTERS FOR INFORMATION

Standards and Related Texts Adopted at Step 5¹

1. CAC42 adopted the draft scope, definition and labelling for follow-up formula for older infant (review of the *Standard for Follow-Up Formula* (CXS 156-1987)) and noted that the last part of section 9.6.4 on cross-promotion would be further considered by CCNFSDU; and noted that CCEXEC77 had recalled and reaffirmed the advice given by CCEXEC75 regarding use of references to WHO documents and WHA resolutions.
2. CAC42 adopted the methods for provisions in the *Standard for Infant Formula and Formulas for Special Medical Purposes Intended for Infants* (CXS 72-1981) as endorsed by CCMAS40 and revoked those methods as proposed by CCMAS40.² The decisions are reproduced in Appendix I (Part A).

Discontinuation of work³

3. CAC42 approved discontinuation of work on NRV-NCD for EPA and DHA long chain omega-3 fatty acids.

Revocation of standards and related texts⁴

4. CAC42 revoked the provisions for monosodium tartrate (INS 335(i)), monopotassium tartrate (INS 336(i)) and dipotassium tartrate (INS 336(ii)) in the *Standard for Processed Cereal-Based Foods for Infants and Young Children* (CXS 74-1981).

Codex Strategic Plan 2020 - 2025⁵

5. CAC42 adopted the Codex Strategic Plan 2020 – 2025 as proposed by CCEXEC77.

B. MATTERS ARISING FROM SUBSIDIARY BODIES AS RELATED TO THE WORK OF CCNFSDU

MATTERS FOR INFORMATION

The 77th Session of the Executive Committee of the Codex Alimentarius Commission (CCEXEC77)⁶

Review of the Standard for Follow-up Formula

6. CCEXEC77 recommended to CAC42 to adopt the draft scope, description and labelling for follow-up formula for older infants of the proposed revised *Standard for follow-up formula* at Step 5 as endorsed and amended by CCFL. CCEXEC77 further noted that the work on follow-up formula presented has a target date of 2019 and CCNFSDU is encouraged to complete this work in 2019 or to establish a more realistic target date.

¹ REP19/CAC, paras 81 - 84, Appendix III

² The adopted and revoked methods are presented in REP19/MAS, Appendix I, Parts 1 and 2

³ REP19/CAC, paras 100 - 101

⁴ REP19/CAC, para.95, Appendix IV

⁵ REP19/CAC, paras 112 - 122

⁶ REP19/EXEC2, paras 9 and 11

The 45th Session of the Committee on Food Labelling (CCFL45)

Definition for biofortification⁷

7. CCFL45 acknowledged the tremendous work done by CCNFSDU, but agreed that current labelling texts were adequate for CCFL purposes and there was no need for a definition on biofortification in the context of food labelling.

Endorsement of labelling texts: Review of the Standard for follow-up formula: Follow-up formula for older infants⁸

8. CCFL45 agreed to inform CCNFSDU that it had endorsed the sections 9.1 to 9.6.3 with amendments to 9.2.2, 9.3 and 9.4.1 (i) and (ii) and 9.4.2. With regard to 9.6.4, the Committee endorsed the first sentence and agreed to return the last sentence on cross-promotion for further consideration by CCNFSDU.

Criteria for the definition of “high in” nutritional descriptors for fats, sugars and sodium

9. CCFL45 discussed a proposal for new work on criteria for definition of “high in” nutritional descriptors for fats, sugars and sodium and agreed that while the work was valuable, it was premature to consider it at this time and it should await the progress of the work on FOPNL and the discussions in CCNFSDU on nutrient profiling.

10. The Committee is **invited to note** this information.

MATTERS FOR ACTION

The 77th Session of the Executive Committee of the Codex Alimentarius Commission (CCEXEC77)⁹

Definition for biofortification

11. CCEXEC77, while noting that the work on biofortification had been on the agenda for several years and that CCFL saw no need for a definition for biofortification related to food labelling, requested CCNFSDU to clarify how a definition would be useful in the context of Codex work and to consider discontinuation of this work if no use was identified.

The 51st Session of the Committee on Food Additives (CCFA51)

Food additive provisions and ML for CXS 181-1991 and CXS 203-1995¹⁰

12. CCFA51 agreed to request CCNFSDU to consider the appropriate food additive provisions and MLs for the Standard for Formula Foods for Use in Weight Control Diets (CXS 181-1991) and the Standard for Formula Foods for Use in very Low Energy Diets for Weight Reduction (CXS 203-1995)

The 40th Session of the Committee on Methods of Analysis and Sampling (CCMAS40)

Endorsement of methods of analysis and sampling plans for provisions in Codex standards¹¹

Methods of analysis for provisions in the *Standard for Infant Formula and Formulas for Special Medical Purposes Intended for Infants (CXS 72-1981)*

13. CCMAS40 agreed to endorse the AOAC 2011.14 / ISO 15151 | IDF 229 as Type III method for calcium, copper, iron, magnesium, manganese, phosphorous, potassium, sodium and zinc, but that the methods should be referred to CCNSFDU for their concurrence before submission to CAC for adoption. The methods are presented in Appendix I (Part B).

14. CCMAS40 agreed to recommend CCNFSDU to

- a. Consider establishing numerical method performance criteria for calcium, copper, iron, magnesium, manganese, phosphorous, potassium, sodium and zinc, and identify appropriate methods that meet the criteria; and
- b. Consider whether the methods for Vitamin K in follow-up formula currently in CXS 234 (AOAC 999.15 / EN 14148) should be replaced by the methods endorsed as Type II methods for infant formula (i.e. AOAC 2015.09 / ISO 21446)

⁷ REP19/FL, paras 7 - 11

⁸ REP19/FL, paras 24-28, Appendix II

⁹ REP19/EXEC2, para. 10

¹⁰ REP19/FA, para 58(ii)

¹¹ REP19/MAS, paras 10-11, Appendix II

Methods of analysis for gluten free¹²

15. CCMAS40 agreed to refer the proposal for methods of analysis for gluten free (see Appendix I: Part C) to this document) to CCNFSDU for consideration.¹³
16. CCMAS40 also noted a comment that CCNFSDU should consider a general reference to CXS 234 in section on methods of analysis in the *Standard for foods for special dietary use for persons intolerant to gluten* (CXS 118 – 1979), in accordance with the Procedural Manual.
17. The Committee is **invited to consider** the above requests.

¹² REP19/MAS, paras 23 - 25

¹³ For background to the proposal, see CX/MAS 19/40/3-Add.2

APPENDIX I

PART A: METHODS ADOPTED AND REVOKED BY CAC42

(changes to CXS 234-1999 indicated in **bold** or underlined font, revoked methods are indicated in ~~strikethrough font~~)

(For information)

Commodity	Provision	Method	Principle	Proposed Type
Infant formula	Calcium	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
	Calcium	ISO 8070 IDF 119	Flame atomic absorption spectrophotometry	III
	Calcium	AOAC 985.35	Flame atomic absorption spectrophotometry	III
	Calcium	AOAC 984.27	ICP-emission spectroscopy	III
	Copper	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
	Copper	AOAC 985.35	Flame atomic absorption spectrophotometry	III
	Copper	AOAC 984.27	ICP-emission spectroscopy	III
	Iron	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
	Iron	AOAC 985.35	Flame atomic absorption spectrophotometry	III
	Iron	AOAC 984.27	ICP-emission spectroscopy	III
	Magnesium	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
	Magnesium	AOAC 984.27	ICP-emission spectroscopy	III
	Magnesium	ISO 8070 IDF 119	Flame atomic absorption spectrophotometry	III
	Magnesium	AOAC 985.35	Flame atomic absorption spectrophotometry	III
	Manganese	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
Manganese	AOAC 985.35	Flame atomic absorption spectrophotometry	III	

Manganese	AOAC 984.27	ICP-emission spectroscopy	III
Phosphorus	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
Phosphorus	AOAC 986.24	Spectrophotometry (molybdovanadate)	III
Phosphorus	AOAC 984.27	ICP-emission spectroscopy	III
Potassium	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
Potassium	ISO 8070 IDF 119	Flame atomic absorption spectrophotometry	III
Sodium	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
Sodium	ISO 8070 IDF 119	Flame atomic absorption spectrophotometry	III
Sodium	AOAC 984.27	ICP-emission spectroscopy	III
Zinc	AOAC 2015.06 / ISO 21424 IDF 243	ICP-MS	II
Zinc	AOAC 985.35	Flame atomic absorption spectrophotometry	III
Zinc	AOAC 984.27	ICP-emission spectroscopy	III
Vitamin K ¹⁴	AOAC 2015 / ISO 21446	HPCL-FLD	II
Folic acid	AOAC 2011.06	LC-MS/MS	II
Folic acid	AOAC 992.05 / EN 14131	Microbioassay	III
Folic acid	JAOAC Int. 2000:83; 1141-1148	Optical Biosensor Immunoassay	IV
Folic acid	J Chromatogr. A., 928, 77-90, 2001	HPLC, incorporating immunoaffinity clean-up and conversion to 5-methyltetrahydrofolate	IV

¹⁴ CCNFSDU is requested to consider whether this method should replace the current method, AOAC 999.15 / EN 14148 for vitamin K determination in follow-up formula.

PART B: METHODS OF ANALYSIS FOR CONSIDERATION BY CCNFSDU (FOR DISCUSSION)

Commodity	Provision	Method	Principle	Proposed Type
Infant formula	Calcium	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
	Copper	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
	Iron	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
	Magnesium	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
	Manganese	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
	Phosphorus	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
	Potassium	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
	Sodium	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III
Zinc	AOAC 2011.14 / ISO 15151 IDF 229	ICP emission spectroscopy	III	

PART C:**Current method in CXS 234-1991 (and in the *Standard for foods for special dietary use for persons intolerant to gluten (CXS 118-1979)* (FOR DISCUSSION))**

Commodity	Provision	Method	Principle	Type
Gluten-free Foods	Gluten	Enzyme-linked Immunoassay R5 Mendez (ELISA) Method <i>Eur J Gastroenterol Hepatol 2003; 15: 465-474</i>	Immunoassay	I

Proposal

Commodity	Provision	Method	Principle	Type
Corn- and rice-based gluten-free foods	Gluten	AOAC 2012.01 / AACC 38-50.01 (R5 sandwich ELISA method for gliadin)	Immunoassay	I
Oat-based gluten free foods (unfermented)	Gluten	AOAC 2018.15 (Total gluten sandwich ELISA)	Immunoassay	I