

# 35<sup>th</sup> Joint Arab Codex Contact Points and CCNE Coordination Meeting

## PREPARATION FOR THE 44<sup>th</sup> SESSION OF THE CODEX COMMITTEE ON METHODS OF ANALYSIS AND SAMPLING

**(CCMAS44)**

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*April 20, 2025*



## Agenda Item 3

### Endorsement of Methods of Analysis Provisions and Sampling Plans in Codex Standards

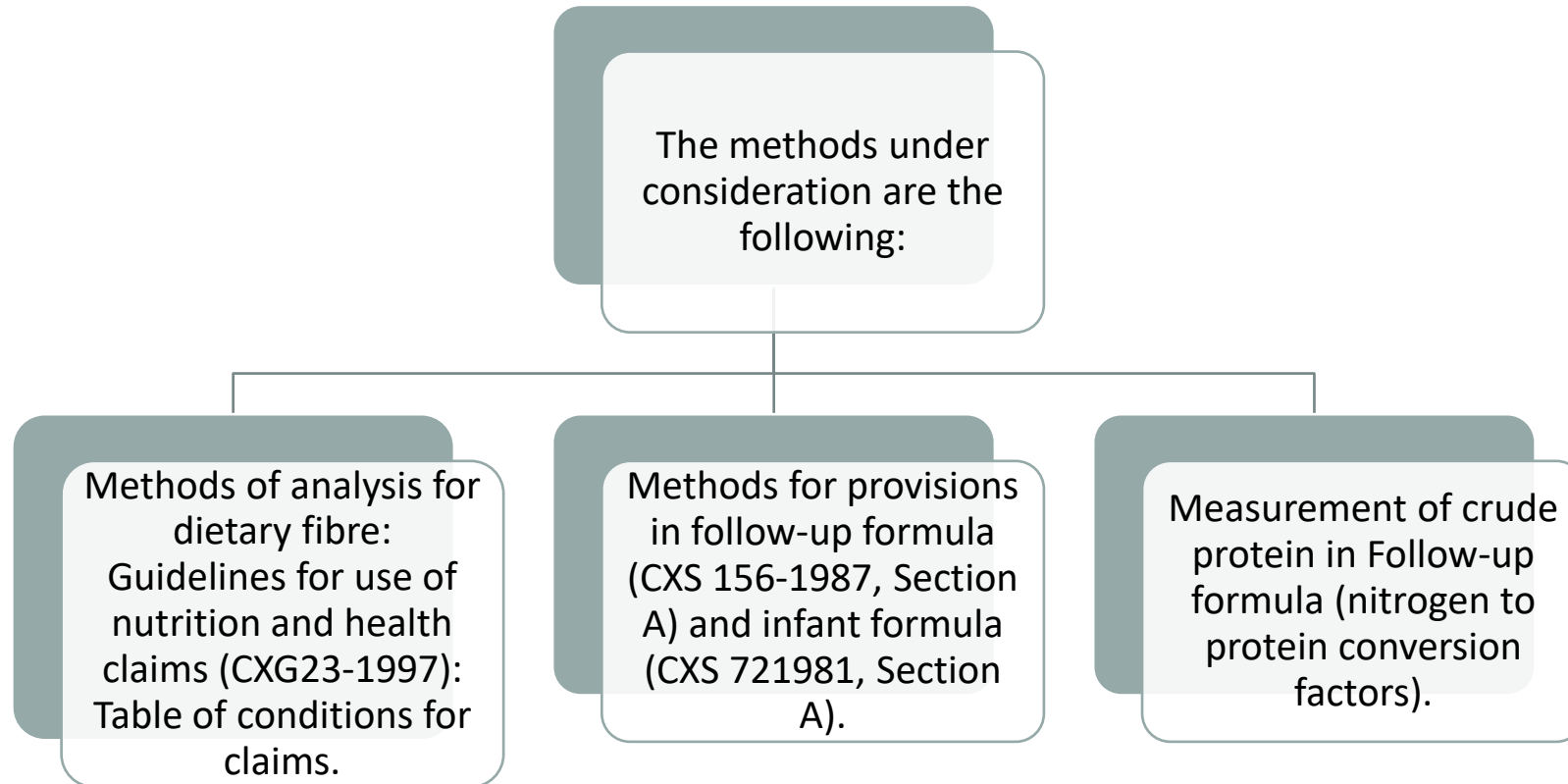
*Methods of Analysis and Sampling Submitted by Codex Subsidiary Bodies*

*CX/MAS 25/44/3 & CX/MAS 25/44/3-ADD.1*

***CRDs 04 / 05 / 06 / 07***

The document (**CX/MAS 25/44/3**) contains the methods of analysis (Appendix I) proposed by the 44th session of the Codex Committee on Nutrition and Foods for Special Dietary Uses (**CCNFSDU44**) for endorsement by CCMA44 and:

- ❑ subsequent inclusion in CXS 234-1999 (Recommended Methods of Analysis and Sampling).
- ❑ consequently, revoke or re (type) the needed methods from CXS 234-1999

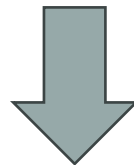


# OTHER RELEVANT MATTERS ARISING FROM THE AMENDMENT OF CXS 234-1999

CXS 234-1999 amendments according to CAC47 (2024) decisions to:

- adopt new methods of analysis and performance criteria for inclusion in the “Recommended Methods of Analysis and Sampling (CXS 234-1999)” with editorial corrections, or,
- revoked methods of analysis for provisions in CXS 234-1999 consequential to this adoption.

**CXS 234-1999 is the single reference for methods of analysis in Codex standards**



All methods of analysis in commodity standards must be transferred to CXS 234-1999 and replaced with a reference to CXS 234-1999

# CCMAS44 is invited to:

- i) review the methods of analysis in Appendix I
- ii) consider the development of numeric performance criteria as identified in paragraph 5 (sodium chloride determination in fish);
- iii) note the editorial and consequential amendments made to CXS 234-1999 as detailed in Appendix II;  
and
- iv) acknowledge that while the methods of analysis and numeric performance criteria in Appendix III have been included in CXS 234-1999 in a format or location different from that adopted by CAC47, this does not have an impact on their technical content or interpretation.

## Appendix I: methods of analysis where the principle and typing were not indicated in the respective commodity standards.

- Provide the principle and typing, if the method of analysis is still fit-for-purpose, so that it can be transferred to CXS 234-1999; or
- Recommend revocation of the method of analysis from the commodity standard, if the method of analysis is not fit-for-purpose.

### Part 1: Methods of analysis where the principle and typing were not indicated in the respective commodity standards

<i>Commodity</i>	<i>Provision</i>	<i>Method</i>	<i>Principle</i>	<i>Type</i>
<u>Fish and fishery products</u>				
Crackers from marine and freshwater fish, crustacean and molluscan shellfish	Crude protein	AOAC 920.87 or 960.52	?	?
Crackers from marine and freshwater fish, crustacean and molluscan shellfish	Moisture	AOAC 950.46B (air drying)	?	?
Raw bivalve molluscs (shucked)	Drained weight	AOAC 953.11		

# CCMAS is requested to determine which option should be pursued, or otherwise recommend alternative options

## Part 2: Method of analysis by description, where specific references to published methods have been provided

Option 1: Present the method of analysis by description as an Appendix with an appropriate reference in the commodity table in CXS 234-1999

Commodity	Provision	Method	Principle	Type
<u>Fish and fishery products</u>				
Quick frozen fish sticks (fish fingers), fish portions and fish fillets – breaded or in batter	Determination of fish content (declaration)	See Appendix **		

### Appendix \*\*: DETERMINATION OF FISH CONTENT (DECLARATION) IN QUICK FROZEN FISH STICKS (FISH FINGERS), FISH PORTIONS AND FISH FILLETS - BREADED OR IN BATTER

#### References

- Determination of nitrogen: ISO 937
- Determination of moisture: ISO 1442
- Determination of total fat: ISO 1443
- Determination of ash: ISO 936

Option 2: Present the method of analysis directly in the commodity table in CXS 234-1999, with no appendix

Commodity	Provision	Method	Principle	Type
<u>Fish and fishery products</u>				
Quick frozen fish sticks (fish fingers), fish portions and fish fillets – breaded or in batter	Determination of fish content (declaration) – Determination of nitrogen	ISO 937		
Quick frozen fish sticks (fish fingers), fish portions and fish fillets – breaded or in batter	Determination of fish content (declaration) – Determination of moisture	ISO 1442	<b>Clearer and more systematic?</b>	
Quick frozen fish sticks (fish fingers), fish portions and fish fillets – breaded or in batter	Determination of fish content (declaration) – Determination of total fat	ISO 1443		
Quick frozen fish sticks (fish fingers), fish portions and fish fillets – breaded or in batter	Determination of fish content (declaration) – Determination of ash	ISO 936		

## Interesting information !

Part 2: Numeric performance criteria for natural mineral waters adopted by CAC47 and included in the table “Criteria applicable to health-related substances in the *Standard for natural mineral waters (CXS 108-1981)*” in CXS 234-1999.

Provision	ML (%)	Min. Range (%)	Appl.	LOD (%)	LOQ (%)	Precision (RSD <sub>R</sub> ) (%) No more than	Recovery (%)	Examples of applicable methods that meet the criteria	Principle
Lead	0.01	0.006 – 0.014		0.002	0.004	44	60-115	ISO 17294-2 ISO 15586 EPA 200.8	ICP-MS GF-AAS ICP-MS
Cadmium	0.003	0.0017 – 0.0043		0.0006	0.0012	44	40 - 120	ISO 17294-2 EPA 200.8 EN 17851 EN 14083	ICP-MS ICP-MS ICP-MS GF-AAS



