

**CODEX COMMITTEE ON METHODS OF ANALYSIS AND SAMPLING  
(41<sup>st</sup> Session)**

**Budapest, Hungary, 17 – 21 May 2021**

**European Union Comments on**

**Agenda item 2.1 (Points 10 & 11)**

**MATTERS REFERRED BY THE CODEX ALIMENTARIUS COMMISSION AND  
OTHER SUBSIDIARY BODIES**

*Mixed Competence  
Member State Vote*

**Point 10: Performance criteria for Type III methods for determination of nine minerals in CXS72**

The European Union and its Member States (EUMS) welcome the opportunity to assist in developing performance criteria for methods for determination of calcium, copper, iron, magnesium, manganese, phosphorous, potassium, sodium and zinc in relation to the respective provisions in the Standard for Infant Formula and Formulas for Special Medical Purposes Intended for Infants (CX572-1981).

The provisions for the minimum amount of nutrients in infant formula are expressed in relation to energy (per 100 kcal or 100 kJ) instead of mass (STAN 72-1981). For this reason, direct application of the guidelines for establishing numeric values for method criteria as given in the Procedural Manual is not possible. As infant formula is consumed as a liquid, provision 3.1.2 of STAN 72-1981 specifies that infant formula prepared ready for consumption in accordance with instructions of the manufacturer shall contain per 100 ml not less than 250 kJ (60 kcal) and not more than 295 kJ (70 kcal) of energy. The lower value was used as a point of reference for deriving performance criteria.

	Minimum per 100 kJ	Minimum per 250 kJ (= 100 mL)	LOD (per L)	LOQ (per L)	Minimum applicable range (per L)		Precision RSD <sub>R</sub> (%)
					From	To	
Ca (mg)	12	30	30.0	60.0	239.0	361.0	14
Cu (µg)	8.5	21.25	21.3	42.5	83.8	341.2	40
Fe (mg)	0.1	0.25	0.3	0.5	1.5	3.5	28
Mg (mg)	1.2	3	3.0	6.0	21.4	38.6	19
Mn (µg)	0.25	0.625	1.3	2.5	3.5	9.0	44
P (mg)	6	15	15.0	30.0	116.1	183.9	15
K (mg)	14	35	35.0	70.0	280.4	419.6	13
Na (mg)	5	12.5	12.5	25.0	96.0	154.0	15
Zn (mg)	0.12	0.3	0.3	0.6	1.8	4.2	27

Regarding the information provided by CCNFSDU to CCMAS that Type II methods should continue to be listed in CXS 234-1999 as specific methods, the EUMS confirm that this is current practice and is applied if a method has been endorsed and typed as Type II by CCMAS. In case the method criteria approach is followed, examples of applicable methods of analysis that meet the criteria are listed.

**Point 11: Methods to measure sweetness in Drink/Product for young children with added nutrients / Drink for young children**

The EUMS are of the opinion that methods for sensory assessment of food and food ingredients do fall within the remit of CCMAS, if proposed by another Codex Committee to support a provision of a CXS. SDOs are invited to identify suitable methods of sensory analysis to assess sweetness of ingredients for further discussion by CCMAS.