



JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON FOOD ADDITIVES

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PROPOSED DRAFT REVISION OF FOOD CATEGORY 01.1 "MILK AND DAIRY-BASED DRINKS" AND ITS SUB-CATEGORIES

Prepared by New Zealand with the assistance of Argentina, Austria, Brazil, Canada, European Union, Greece, India, Indonesia, Japan, Malaysia, Mexico, Netherlands, Norway; Russian Federation, United States of America, European Chemical Industry Council (CEFIC), Federation of European Speciality Food Ingredients (ELC), International Council of Beverages Association (ICBA), International Council of Grocery Manufacturers (ICGMA), International Dairy Federation (IDF), International Food Additives Council (IFAC), Yoghurt and Live Fermented Milks Association (YLFA)

Governments and international organizations in Observer status with the Codex Alimentarius Commission wishing to submit comments at Step 3 on the proposed draft revision of food category 01.1 "milk and dairy based drinks" and its sub-categories (Annex 1) are invited to do so no later than **31 January 2016** as follows: Secretariat, Codex Committee on Food Additives, China National Center for Food Safety Risk Assessment (CFSA), Building 2, No. 37 Guangqu Road, Chaoyang District, Beijing 100022, China, (E-mail: ccfa@cfsa.net.cn), with a copy to the Secretary, Codex Alimentarius Commission, Joint FAO/WHO Food Standards Programme, Viale delle Terme di Caracalla, 00153 Rome, Italy (E-mail: Codex@fao.org).

Format for submitting comments: In order to facilitate the compilation of comments and prepare a more useful comments document, Members and Observers are requested to provide their comments in word file.

Background and Objective

1. The 47th session of the Codex Committee on Food Additives (CCFA47), held in Xi'an (China) in March 2015, agreed to establish an eWG, led by New Zealand, and working in English only, to: prepare a proposed draft revision of the food category 01.1 "Milk and dairy-based drinks" and its sub-categories, for circulation for comments at Step 3 and consideration at its next session¹.
2. Work on food additives provisions within these food categories will be undertaken by CCFA after the revision of the categories is completed.
3. This new work was approved by CAC38².
4. Work relating to food category 01.1 and its subcategories in the GSFA is being held without further discussion until this work has been completed.

Issues to be addressed

5. The issues to be addressed were identified in the discussion paper presented at CCFA47 (CX/FA 15/47/12).
 - i) Conflicts between the definition of "milk" in the *General Standard for the Use of Dairy Terms* (CODEX STAN 206-1999) and the descriptor of food category 01.1.1.1 (Milk (plain))³.

¹ [REP 15/FA](#), para. 92

² [REP15/CAC](#) para. 87 and Appendix VI

³ The descriptor of food category 01.1.1.1 (Milk (plain)) reads as follows: "Fluid milk obtained from milking animals (e.g. cows, sheep, goats, buffalo). Milk is usually heat-treated by pasteurization, ultra-high temperature (UHT) treatment or sterilization. Includes skim, part-skim, low-fat and whole milk."

- ii) The current Food Category System (FCS) and descriptors do not address:
- a. Reconstituted plain milk: Reconstituted plain milk is listed in the descriptor for the parent food category 01.1.1 (Milk and buttermilk (plain))⁴, but is not covered by either of the relevant subcategories. Reconstituted plain milk is not buttermilk, so it would not fit into subcategory 01.1.1.2 (Buttermilk (plain)). Reconstituted plain milk is not listed in subcategory 01.1.1.1 (Milk (plain)) and there seems to be a difference in the technological need for food additives between milk (plain) and reconstituted plain milk.
 - b. Recombined plain milk and other plain (non-flavoured) milk products: Under the current food category system of the GSFA, recombined plain milk and other plain (non-flavoured) milk products would fit into food category 01.1 (Milk and dairy-based drinks). However, these foods would not fit into any of the subcategories of this parent food category.

6. The classification of other plain (non-flavoured) milk products such as lactose reduced milk and milk product with modified organoleptic properties should be clarified.

7. It should be noted that none of the products mentioned above (i.e. reconstituted plain milk, recombined plain milk, lactose reduced milk and milk product with modified organoleptic properties) are covered by Codex commodity standards.

Principles used when considering the issues⁵

- i. The principles of the food category system (FCS) as stated in Section 5 of the Preamble to the GSFA should be followed.
- ii. Food categories should be aligned with dairy products currently found in international trade as much as possible.
- iii. “Reconstituted milk” in the GSFA should be amended to “reconstituted milk, recombined milk”.
- iv. Food additives, where permitted, can be added to a “plain” product in the food categories under consideration.
- v. Vitamins and minerals that are mandatory additions in national legislation should be able to be added to a “plain” milk product. Vitamins and minerals (that are voluntary additions) can be added to a “plain” milk product. However, specific permissions to add vitamins and minerals are outside the scope of CCFA.
- vi. GSFA food categories and descriptors should not be used for labelling purposes.⁶
- vii. Milk may be modified and still be identified as “milk” rather than a “milk product,” in keeping with Section 4 of CODEX STAN 206-1999, e.g., the modification of the amount of fat or protein (noting only the total protein can be adjusted but not altering the casein to whey ratio).
- viii. In this category, a “plain” product is one that is not flavoured, nor contains fruit, vegetables or other non-dairy ingredients, nor is mixed with other non-dairy ingredients, unless permitted by relevant standards (*current descriptor for food category 01.0 under consideration for revision*).

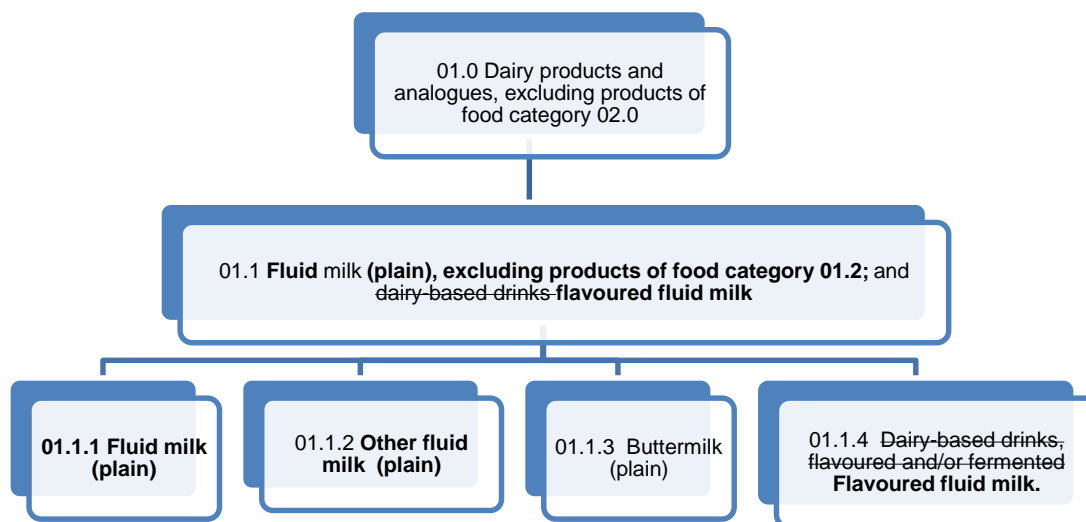
Proposed Revisions to Food Categories for consideration at CCFA48

8. Figure A, presents the proposal for CCFA to consider. It is an amended version of Figure B contained in [CX/FA 15/47/12](#), taking into account comments made at CCFA47 and those of eWG members. It applies principles of the food category system, in particular, its hierarchical nature as applied to the provisions for food additives. Proposed deletions are shown in strikethrough text and additions are in bold font.

⁴ The descriptor of food category 01.1.1 (Milk and buttermilk (plain)) reads as follows: “Includes plain fluid products only. Includes reconstituted plain milk that contains only dairy ingredients.”

⁵ Points i – v were previously presented in CX/FA 14/46/11.

⁶ Preamble to the GSFA (CODEX STAN 192-1995), Section 5 (Food Category System).

Figure A: Proposed Revisions to Food Categories

9. The main effects of the proposed revisions to the FCS are:

- (i) Renumbering of several current food categories; and
- (ii) Introducing a new food category 01.1.2 Other fluid milk (plain)

This allows for correct placement of certain plain milk products, recognizing that some plain milk products are already included under food category 01.2 and recognizes the technological need for the use of food additives in plain reconstituted milk, recombined milk, and milk with added vitamins and minerals by allowing provisions for the use of food additives in food category 01.1.2.

10. The proposal also:

- (i) Includes raw milk in the descriptor for food category 01.1 but states that it shall not contain any food additives. This recognizes the need for the descriptors to cover all products included in CODEX STAN 206-1999.
- (ii) Uses the terms “*fluid milk*” and “*other fluid milk*” rather than “*milk*” or “*milk products*”.

As noted in the background, this takes into account views expressed at CCFA47 (REP 15/FA, para. 88) that the term *fluid milk products* might be confusing, because the definition of *milk* in the Codex *General Standard for the Use of Dairy Terms* (CODEX STAN 206-1999) addresses the addition or extraction of milk constituents. This also takes into account the GSFA Preamble section 5 b), which clarifies that the “food category system is based on product descriptors of foodstuffs as marketed unless otherwise stated”, and Section 4 of CODEX STAN 206-1999, which states that foods defined as “milk products” in Section 2 of that standard may be named “milk” when offered for sale provided the use of the term “milk” does not mislead the consumer. Fluid milk is marketed internationally as *milk* and not named as a *milk product*.

- (iii) Uses the term *Flavoured fluid milk*, which avoids problems due to the lack of definition of the term “dairy-based”. The word flavoured is used to cover both added flavouring and ingredients or foods that provide flavour, e.g. in the name “flavoured fluid milk”

Composite milk product

11. The eWG considered a proposal for an alternative name “*Reconstituted milk, recombined fluid milk (plain) and unflavoured composite milk*” for the new food category 01.1.2. A number of members supported the proposal. However, others pointed out that it would imply that reconstituted milk, recombined fluid milk (plain) and unflavoured composite milk would be the only milk products to be included in this food category, when the food category is broader than these three products. There was some support to include these as examples in the descriptor rather than the title of food category.

12. From CODEX STAN 192-195, a composite milk product is a product of which the milk, milk products or milk constituents are an essential part in terms of quantity in the final product, as consumed provided that the constituents not derived from milk are not intended to take the place in part or whole of any milk constituent.

DETAILS OF PROPOSED REVISIONS TO THE FOOD CATEGORY SYSTEM

13. CX/FA 15/47/12 contained proposed revisions to the Food Category System. This has been revised taking into account comments made at CCFA47 and comments of the eWG. For example, the term 'products' has been removed.

14. To avoid confusing current and proposed food categories, new or altered food categories have added clarifying text in [square brackets]. For example, the proposed food category 01.1.2 Buttermilk (plain) is referred to as 01.1.3 Buttermilk (plain) [renumbered - currently 01.1.1.2]. This text in square brackets can then be deleted when the work is completed.

15. Proposed deletions are shown in ~~striketrough~~ and additions are in **bold** font. An explanation of the changes has been included to help with discussion and is not part of the proposed revisions.

FOOD CATEGORY SYSTEM

PART I: Food Category System

01.0 Dairy products and analogues, excluding products of food category 02.0

01.1 Fluid milk (plain), excluding products of food category 01.2; and dairy-based drinks flavoured fluid milk

01.1.1 Milk and buttermilk (plain)

01.1.1.1 Milk (plain)

01.1.1.2 Buttermilk (plain)

01.1.2 ~~— Dairy-based drinks, flavoured and/or fermented (e.g. chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)~~

01.1.1 Fluid milk (plain) [currently 01.1.1.1]

01.1.2 Other fluid milk (plain) [new subcategory]

01.1.3 Buttermilk (plain) [renumbered - currently 01.1.1.2]

01.1.4 Flavoured fluid milk [currently 01.1.2]

PART II: Food Category Descriptors

01.0 Dairy products and analogues, excluding products of food category 02.0

Includes all types of dairy products that are derived from the milk of any milking animal (e.g. cow, sheep, goat, buffalo). In this category, a "plain" product is one that is not flavoured **meaning that it has no added flavouring**, or other non-dairy ingredients **that impart flavour, but may include other food additives** ~~nor is mixed with other non-dairy ingredients, unless permitted by relevant standards~~. Analogues are products in which milk fat has been partially or wholly replaced by vegetable fats or oils.

16. Explanation: Several eWG members noted that the revision Food category 01.0 is not within the scope of the eWG. Others understood the scope of the eWG would include revision of Food Category 01.0 as described in CX/FA 15/47/12 and that the revision of its title and/or descriptor could be proposed as consequential changes resulting from the revision of the titles and/or descriptors of its sub-categories. Therefore the eWG recommends CCFA consider proposed changes to this food category.

17. The words "that impart flavour" following "...or the non-dairy ingredients" make it clear that food additives that do not impart flavour may be added to plain products.

18. The wording "nor is mixed with other non-dairy ingredients unless permitted by relevant standards" may be interpreted to exclude all food additives in "plain" products covered under food category 01.0 but not subject to a Codex standard. Therefore, these words should be deleted, as the use of some food additives are technologically justified in many of the plain products covered under food category 01.0 that are not subject to a Codex standard. In addition, the only Codex standard that applies to the products covered by the parent food category 01.0 is the *Standard for Fermented Milks* (CODEX STAN 243-2003), which does not allow flavourings or foods that impart flavour in plain products that are included under this standard. This also supports the deletion of the phrase "unless permitted by relevant standards."

01.1 Fluid milk (plain), excluding products of food category 01.2; and ~~dairy-based drinks flavoured fluid milk~~

Includes all plain and flavoured fluid milks that are based on skim, part-skim, low-fat and whole milk, **excluding plain fermented products and plain renneted milk products of food category 01.2. Plain fluid milks are “milk products” as defined in CODEX STAN 206-1999, are obtained by the processing of milk, and may contain food additives and other ingredients functionally necessary for processing.⁷ Raw milk (“milk” as defined in CODEX STAN 206-1999) shall not contain any food additives.**

19. Explanation: Raw milk is included in this category but is excluded from containing any food additives. Raw milk is fluid milk obtained from milking animals (e.g., cows, sheep, goats, buffalo) without either addition to it or extraction from it, intended for consumption as liquid milk or for further processing. This product corresponds to the Codex definition of “milk.”⁸ However, all products in food category 01.1 are further processed, and may include food additives.

20. An alternative view is that including raw milk in this food category is not appropriate. As raw milk is not internationally traded, there is no need to include raw milk within the GSFA. If so raw milk would need to be excluded to make it clear that these food categories do not include “milk” as defined in CODEX STAN 206-1999.

21. Many eWG members noted that the GSFA should allow the inclusion of all food under a food category, including raw milk in this case. Therefore, even if not internationally traded in large amounts, raw milk should be included, but it should be explicitly stated that no food additives are allowed in raw milk, as defined in CODEX STAN 206-1999.

22. As noted earlier in the paper, fluid milk is marketed internationally as milk and not as a milk product.

01.1.1 Fluid milk (plain) [currently 01.1.1.1]

Plain fluid milk obtained from milking animals (e.g., cows, sheep, goats, buffalo). ~~Milk is usually heat-treated by~~ that has been processed. Includes pasteurized, ultra-high temperature (UHT) treated, or sterilized and homogenized, fat and /or protein adjusted milk. [Includes skim, part-skim, low-fat and whole milk].

Explanation

23. It is proposed to replace the term “heat-treated” with “processed”, because while fluid milk can be heat-treated, it can also undergo other processes such as microfiltration.

24. The descriptor lists skim, part-skim, low-fat, and whole milk to make it clear that this food category includes these foods, as did the original descriptor for food category 01.1.1.1. Some eWG members noted that the terms are commonly used internationally and are recognised by consumers and should be retained in the descriptor as examples. It is proposed that because these milks are already covered by the phrase “fat and protein adjusted they can be deleted, but have been included in square brackets for consideration by CCFA.

25. It must be recognized that this food category will require some food additives, which are necessary for stabilization of UHT or sterilized fluid milks. The restriction of certain food additives to specific products included under this food category can be made clear through the attachment of a note to the specific provision for that food additive.

01.1.2 Other fluid milks (plain) [proposed as new subcategory]

Includes all plain fluid milk, excluding products of food categories 01.1.1 (Fluid milk (plain)), 01.1.3 (Buttermilk (plain)), and 01.2 (Fermented and renneted milk products (plain)). Includes plain recombined fluid milks, plain reconstituted fluid milks, non-flavoured vitamin and mineral fortified fluid milks, lactose reduced milk products ~~plain milk product with modified organoleptic properties~~ and plain milk-based beverages.

⁷ General Standard for the Use of Dairy Terms (CODEX STAN 206-1999), Section 2.2.

⁸ General Standard for the Use of Dairy Terms (CODEX STAN 206-1999), Sections 2.1 and 4.2.1.

Explanation:

26. The new food category 01.1.2 specifically excludes the plain products under food category 01.2, plain fluid milk defined in food category 01.1.1, and buttermilk (0.1.1.3). This category should include plain milk-derived products. “Plain milk product with modified organoleptic properties” may be deleted as it can only refer to modified texture, mouth feel, thickness or similar, and not to aroma, taste, flavour as these are plain products. There may be a need to clarify the meaning of “milk-based”.

27. Note that products in food category 01.2 are already excluded in this category by the exclusion under the higher food category, 01.1.

28. There was general agreement within the eWG that lactose reduced milk could be placed into food category 01.1.2 (Other fluid Milk (plain)) rather than in food category 13.3 (Dietetic foods intended for special medical purposes (excluding products of food category 13.1)). Some eWG members noted that lactose reduced milk is generally consumed by individuals with lactose tolerance issues and therefore should be placed in food category 13.3.

29. Placing lactose reduced milk in food category 01.1.2 is preferred because its main and characterizing ingredient is “milk”, and therefore, it would not be appropriate to move it to food category 13.3. Lactose reduced milk falls under the definition of “milk product” as listed in CODEX STAN 206-1999, paragraph 2.2: “Milk product is a product obtained by any processing of milk, which may contain food additives and other ingredients functionally necessary for the processing”. Even if lactose reduced milk is intended for individuals with lactose intolerance, it is more widely used by the general population as a strict equivalent to milk. Also, the food additives which might be used or needed in lactose-reduced milk would be similar to those that might be used or needed in the other products covered under this food category and likely to be very different from those food additives which might be used or needed in food category 13.3. Also lactose reduced milks are not intended for consumption only under medical supervision as specified in the descriptor of the food category 13.3.

01.1.3 Buttermilk (plain) [renumbered - currently 01.1.1.2]

Buttermilk is the nearly milkfat-free fluid remaining from the butter-making process (i.e., the churning fermented or non-fermented milk and cream). Buttermilk is also produced by fermentation of fluid skim milk, either by spontaneous souring by the action of lactic acid-forming or aroma-forming bacteria, or by inoculation of heated milk with pure bacterial cultures (cultured buttermilk). Buttermilk may be pasteurized or sterilized.

30. **01.1.4 Flavoured fluid milk, Dairy-based drinks, flavoured and/or fermented (e.g. chocolate milk, cocoa, eggnog, drinking yoghurt, whey based drinks) [renumbered - currently 01.1.2]:**

Includes all ready-to-drink fermented or not fermented ~~flavoured and aromatized~~ milk-based fluid beverages **with flavourings and food ingredients that impart flavour**, excluding mixes for cocoa (cocoa-sugar mixtures, category 05.1.1). Examples include hot chocolate, chocolate malt drinks, strawberry-flavoured yoghurt drink, lactic acid bacteria drinks, and *lassi* (liquid obtained by whipping curd from the lactic acid fermentation of milk, and mixing with sugar or synthetic sweetener).

Explanation

31. This food category contains only products with added flavouring or ingredients or foods that provide flavour and includes flavoured and fermented products. Plain fermented products are included under food category 01.2.

32. The word “flavoured” in the title of food category 01.1.4 is sufficient and for consistency with food category 01.1, the words “fermented or non-fermented” can be moved to the descriptor rather than included in the title.

33. Based on a proposal by IDF, the eWG’s views were sought on whether products such as flavoured milk powders, excluding cocoa powders, should be included in 01.1.4 Flavoured fluid milk, as they do not appear to fit elsewhere in the GSFA. Most eWG members agreed that powders do not fit in a food category for fluid milks. Several members suggested that powders could be placed within food in a subcategory within food category 1.5 Milk powder. Proposals to amend 1.5 could be considered but are likely to fall outside the mandate of the eWG.

CONSEQUENTIAL CHANGES TO THE TITLES AND/OR DESCRIPTORS OF CERTAIN FOOD CATEGORIES BASED ON THE ABOVE REVISED PROPOSAL

01.2 Fermented and renneted milk products (plain) ~~excluding food category 01.1.2 (dairy-based drinks)~~

Includes all plain **fermented or renneted** products based on skim, part-skim, low-fat and whole milk, **excluding buttermilk, which is included in 01.1.3 Buttermilk (plain)**. ~~Products with added flavouring are included in 01.1.2 (beverages) and 01.7 (desserts).~~

Explanation

34. It is not usual in the GSFA to exclude a flavoured food category where the title of a food category covers only plain foods. Therefore, it is not necessary to specifically exclude food category 01.1.2 (proposed to be 01.1.4) in the title and descriptor. The proposed revisions to food category 01.1.4 make it clear that it covers only flavoured milk and food category 01.2 covers only plain products.

01.4 Cream (plain) and the like:

Cream is a fluid dairy product, relatively high in fat content in comparison to milk. Includes all plain fluid, semi-fluid and semi-solid cream and cream analogue products. Flavoured cream products are found in ~~01.1.2~~ **01.1.4** (beverages) and 01.7 (desserts).

01.4.3 Clotted cream (plain):

Thickened, viscous cream formed from the action of milk coagulating enzymes. Includes sour cream (cream subjected to lactic acid fermentation achieved as described for buttermilk (~~01.1.1.2~~ **01.1.3**)).

05.1.1 Cocoa mixes (powders) and cocoa mass/cake:

Includes a variety of products that are used in the manufacture of other chocolate products or in the preparation of cocoa-based beverages. [...]

Examples include: drinking chocolate powder; breakfast cocoa; cocoa dust (fines), nibs, mass, press cake; chocolate liquor; cocoa mixes (powders for preparing the hot beverage); cocoa-sugar mixture; and dry mixes for sugar-cocoa confectionery. Finished cocoa beverages and chocolate milk are included in category ~~01.1.2~~ **01.1.4**, and most finished chocolate products are included in category 05.1.4.

14.0 Beverages, excluding dairy products:

This major category is divided into the broad categories of non-alcoholic (14.1) and alcoholic (14.2) beverages. ~~Dairy-based beverages~~ **Flavoured fluid milk** is included in ~~01.1.2~~ **01.1.4**.

14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa:

Includes the ready-to-drink products (e.g., canned), and their mixes and concentrates. Examples include: chicory-based hot beverages (postum), rice tea, mate tea, and mixes for hot coffee and tea beverages (e.g., instant coffee, powder for hot cappuccino beverages). Treated coffee beans for the manufacture of coffee products are also included. Ready-to-drink cocoa is included in category ~~01.1.2~~ **01.1.4**, and cocoa mixes in 05.1.1.

CONSEQUENTIAL REVISIONS TO THE ANNEX TO TABLE THREE OF THE GSFA

35. As a result of the proposed revisions to the FCS of the GSFA, the Annex to Table 3 of the GSFA will need to be amended to reflect the revisions to the current listing of food category 01.1.1 (Milk and buttermilk (plain) (excluding heat-treated buttermilk)) in the Annex. The following proposals are based on the revision of the relevant food categories, as indicated in Figure A, above.

ANNEX TO TABLE THREE

Category Number	Food Category
01.1.1	Milk and buttermilk (plain) (EXCLUDING HEAT-TREATED BUTTERMILK)
01.1.1	Fluid milk (plain) [renumbered - currently 01.1.1.1]
01.1.2	Other fluid milk (plain) [new subcategory]
01.1.3	Buttermilk (plain) [renumbered - currently 01.1.1.2] (EXCLUDING HEAT-TREATED BUTTERMILK)
01.2	Fermented and renneted milk products (plain) [excluding food category 01.1.2 01.1.4]

36. Note that the words in the square brackets “excluding food category ~~01.1.2~~ 01.1.4” as the word “plain” excludes foods in food category 01.1.4 as these are flavoured.

CONSEQUENTIAL CHANGES TO THE GSFA ANNEX C

CROSS-REFERENCE OF CODEX STANDARDISED FOODS WITH THE FOOD CATEGORY SYSTEM USED FOR ELABORATION OF THE GSFA

Standard No	Codex Standard Title	Food Cat. No.
243-2003	Fermented milks (drinks based on fermented milk, plain or flavoured, heat treated or not heat treated)	01.1.2 01.1.4

RECOMMENDATIONS

37. That the Committee considers the proposed food category 01.1 (Milk and dairy-based drinks) and its subcategories, and consequential changes, as presented in Annex 1.

PROPOSED DRAFT REVISION OF FOOD CATEGORY 01.1 “MILK AND DAIRY-BASED DRINKS” AND ITS SUB-CATEGORIES

(N14-2015)

(at Step 3)

Note: New text is presented in **bold and underlined font**; deletion in ~~strike through~~ font.

PART I: Food Category System

01.0 Dairy products and analogues, excluding products of food category 02.0

01.1 Fluid milk (plain), excluding products of food category 01.2; and dairy-based drinks flavoured fluid milk

01.1.1 Milk and buttermilk (plain)

01.1.1.1 Milk (plain)

01.1.1.2 Buttermilk (plain)

~~01.1.2 Dairy-based drinks, flavoured and/or fermented (e.g. chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)~~

01.1.1 Fluid milk (plain) [currently 01.1.1.1]

01.1.2 other fluid milk (plain) [new subcategory]

01.1.3 Buttermilk (plain) [renumbered - currently 01.1.1.2]

01.1.4 Flavoured fluid milk [currently 01.1.2]

PART II: Food Category Descriptors

01.0 Dairy products and analogues, excluding products of food category 02.0

Includes all types of dairy products that are derived from the milk of any milking animal (e.g. cow, sheep, goat, buffalo). In this category, a “plain” product is one that is not flavoured **meaning that it has no added flavouring**, or other non-dairy ingredients **that impart flavour, but may include other food additives** ~~or is mixed with other non-dairy ingredients, unless permitted by relevant standards~~. Analogues are products in which milk fat has been partially or wholly replaced by vegetable fats or oils.

01.1 Fluid milk (plain), excluding products of food category 01.2; and dairy-based drinks flavoured fluid milk

Includes all plain and flavoured fluid milks **that are** based on skim, part-skim, low-fat and whole milk, **excluding plain fermented products and plain renneted milk products of food category 01.2. Plain fluid milks are “milk products” as defined in CODEX STAN 206-1999, are obtained by the processing of milk, and may contain food additives and other ingredients functionally necessary for processing.**⁹ **Raw milk (“milk” as defined in CODEX STAN 206-1999) shall not contain any food additives.**

01.1.1 Fluid milk (plain) [currently 01.1.1.1]

Plain fluid milk obtained from milking animals (e.g., cows, sheep, goats, buffalo). ~~Milk is usually heat-treated by~~ **that has been processed. Includes** pasteurized, ultra-high temperature (UHT) treated, **or** sterilized **and homogenized, fat and /or protein adjusted milk.** [Includes skim, part-skim, low-fat and whole milk]-

⁹ General Standard for the Use of Dairy Terms (CODEX STAN 206-1999), Section 2.2.

01.1.2 Other fluid milks (plain) [proposed as new subcategory]

Includes all plain fluid milk, excluding products of food categories 01.1.1 (Fluid milk (plain)), 01.1.3 (Buttermilk (plain)), and 01.2 (Fermented and renneted milk products (plain)). Includes plain recombined fluid milks, plain reconstituted fluid milks, non-flavoured vitamin and mineral fortified fluid milks, lactose reduced milk products plain milk product with modified organoleptic properties and plain milk-based beverages.

01.1.3 Buttermilk (plain) [renumbered - currently 01.1.1.2]

Buttermilk is the nearly milkfat-free fluid remaining from the butter-making process (i.e., the churning fermented or non-fermented milk and cream). Buttermilk is also produced by fermentation of fluid skim milk, either by spontaneous souring by the action of lactic acid-forming or aroma-forming bacteria, or by inoculation of heated milk with pure bacterial cultures (cultured buttermilk). Buttermilk may be pasteurized or sterilized.

01.1.4 Flavoured fluid milk, Dairy-based drinks, flavoured and/or fermented (e.g. chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks) [renumbered - currently 01.1.2]:

Includes all ready-to-drink fermented or not fermented ~~flavoured and aromatized~~ milk-based fluid beverages **with flavourings and food ingredients that impart flavour**, excluding mixes for cocoa (cocoa-sugar mixtures, category 05.1.1). Examples include hot chocolate, chocolate malt drinks, strawberry-flavoured yoghurt drink, lactic acid bacteria drinks, and *lassi* (liquid obtained by whipping curd from the lactic acid fermentation of milk, and mixing with sugar or synthetic sweetener).

PART III: Consequential changes to the titles and/or descriptors of certain food categories based on the above revised proposal**01.2 Fermented and renneted milk products (plain) ~~excluding food category 01.1.2 (dairy-based drinks)~~**

Includes all plain **fermented or renneted** products based on skim, part-skim, low-fat and whole milk, **excluding buttermilk, which is included in 01.1.3 Buttermilk (plain)**. ~~Products with added flavouring are included in 01.1.2 (beverages) and 01.7 (desserts).~~

01.4 Cream (plain) and the like:

Cream is a fluid dairy product, relatively high in fat content in comparison to milk. Includes all plain fluid, semi-fluid and semi-solid cream and cream analogue products. Flavoured cream products are found in ~~01.1.2~~ **01.1.4** (beverages) and 01.7 (desserts).

01.4.3 Clotted cream (plain):

Thickened, viscous cream formed from the action of milk coagulating enzymes. Includes sour cream (cream subjected to lactic acid fermentation achieved as described for buttermilk (~~01.1.2~~ **01.1.3**)).

05.1.1 Cocoa mixes (powders) and cocoa mass/cake:

Includes a variety of products that are used in the manufacture of other chocolate products or in the preparation of cocoa-based beverages. [...]

Examples include: drinking chocolate powder; breakfast cocoa; cocoa dust (fines), nibs, mass, press cake; chocolate liquor; cocoa mixes (powders for preparing the hot beverage); cocoa-sugar mixture; and dry mixes for sugar-cocoa confectionery. Finished cocoa beverages and chocolate milk are included in category ~~01.1.2~~ **01.1.4**, and most finished chocolate products are included in category 05.1.4.

14.0 Beverages, excluding dairy products:

This major category is divided into the broad categories of non-alcoholic (14.1) and alcoholic (14.2) beverages. ~~Dairy-based beverages~~ **Flavoured fluid milk** is included in ~~01.1.2~~ **01.1.4**.

14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa:

Includes the ready-to-drink products (e.g. canned), and their mixes and concentrates. Examples include: chicory-based hot beverages (postum), rice tea, mate tea, and mixes for hot coffee and tea beverages (e.g., instant coffee, powder for hot cappuccino beverages). Treated coffee beans for the manufacture of coffee products are also included. Ready-to-drink cocoa is included in category ~~01.1.2~~ **01.1.4**, and cocoa mixes in 05.1.1.

PART IV: Consequential revisions to the Annex to Table three of the GSFA**ANNEX TO TABLE THREE****Category Number Food Category**

~~01.1.1 Milk and buttermilk (plain) (EXCLUDING HEAT-TREATED BUTTERMILK)~~

01.1.1 **Fluid** milk (plain) [renumbered - currently 01.1.1.1]

01.1.2 **Other fluid milk (plain)** [new subcategory]

01.1.3 **Buttermilk (plain)** [renumbered - currently 01.1.1.2] (**EXCLUDING HEAT-TREATED BUTTERMILK**)

01.2 Fermented and renneted milk products (plain) [excluding food category 01.1.2 **01.1.4**]

PART V: Consequential changes to the GSFA Annex C

CROSS-REFERENCE OF CODEX STANDISED FOODS WITH THE FOOD CATEGORY SYSTEM USED FOR ELABORATION OF THE GSFA

Standard No	Codex Standard Title	Food Cat. No.
243-2003	Fermented milks (drinks based on fermented milk, plain or flavoured, heat treated or not heat treated)	01.1.2 <u>01.1.4</u>