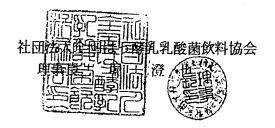


はつ酵乳協21発第3号 平成21年4月10日



乳等省令に殺菌タイプ発酵乳(仮称)の追加の要望

1. はじめに

乳及び乳製品の成分規格等に関する省令(以下乳等省令という)の別表二の (三)「乳製品の成分規格並びに製造及び保存の基準」中に「(23)発酵乳」の規格基準が設定されているが、殺菌タイプ発酵乳は規格化がなされていない。

一方、国際食品規格(コーデックス規格)には、その適用範囲の中で「発酵乳類とは、加熱処理発酵乳、濃縮発酵乳及びこれらの製品からなる複合乳製品をいう」と規定され、外国ではすでに市場に流通している。(別添資料参照)

2. 要望の理由

発酵乳製品にバリエーションを持たせ、発酵乳市場の拡大、発展等を図る。

- 3. 発酵乳の成分規格等の変更について
 - (1) 乳等省令別表二の(三)中、(24)乳酸菌飲料(無脂乳固形分3%以上のもの)の「1 成分規格」に定める「ただし書き」を(23)発酵乳の「1 成分規格」中に追加する。
 - (2) 乳等省令第7条第2項「三 乳製品」のルに「殺菌した発酵乳」を追加する。

以上

: URL: http://www.codexalimentarius.net/download/standards/400/CXS 243e.pdf

Codex Standard 243-2003

1

CODEX STANDARD FOR FERMENTED MILKS

CODEX STAN 243-2003

1. SCOPE

This standard applies to fermented milks, that is Fermented Milk including, Heat Treated Fermented Milks, Concentrated Fermented Milks and composite milk products based on these products, for direct consumption or further processing in conformity with the definitions in Section 2 of this Standard.

2. DESCRIPTION

2.1 FERMENTED MILK

Fermented Milk is a milk product obtained by fermentation of milk, which milk may have been manufactured from products obtained from milk with or without compositional modification as limited by the provision in Section 3.3, by the action of suitable microorganisms and resulting in reduction of pH with or without coagulation (iso-electric precipitation). These starter microorganisms shall be viable, active and abundant in the product to the date of minimum durability. If the product is heat-treated after fermentation the requirement for viable microorganisms does not apply.

Certain Fermented Milks are characterized by specific starter culture(s) used for fermentation as follows:

Yoghurt:

Symbiotic cultures of Streptococcus thermophilus and Lactobacillus

delbrueckii subsp. bulgaricus.

Alternate Culture Yoghurt:

Cultures of Streptococcus thermophilus and any Lactobacillus species.

Acidophilus Milk:

Lactobacillus acidophilus.

Kefir:

Starter culture prepared from kefir grains, Lactobacillus kefiri, species of the genera Leuconostoc, Lactococcus and Acetobacter growing in a

strong specific relationship.

Kefir grains constitute both lactose fermenting yeasts (Kluyveromyces marxianus) and non-lactose-fermenting yeasts (Saccharomyces unisporus, Saccharomyces cerevisiae and Saccharomyces exiguus).

Kumys:

Lactobacillus delbrueckii subsp. bulgaricus and Kluyveromyces

marxianus.

Other microorganisms than those constituting the specific starter culture(s) specified above may be added.

2.2 CONCENTRATED FERMENTED MILK

Concentrated Fermented Milk is a Fermented Milk the protein of which has been increased prior to or after fermentation to minimum 5.6%. Concentrated Fermented Milks includes traditional products such as Stragisto (strained yoghurt), Labneh, Ymer and Ylette.

2.3 FLAVOURED FERMENTED MILKS

Flavoured Fermented Milks are composite milk products, as defined in Section 2.3 of the Codex General Standard for the Use of Dairy Terms (CODEX STAN 206-1999) which contain a maximum of 50% (m/m) of non-dairy ingredients (such as nutritive and non nutritive sweeteners, fruits and vegetables as well as juices, purees, pulps, preparations and preserves derived therefrom, cereals, honey, chocolate, nuts, coffee, spices and other harmless natural flavouring foods) and/or flavours. The non-dairy ingredients can be mixed in prior to/or after fermentation.

3. ESSENTIAL COMPOSITION AND QUALITY FACTORS

3.1 RAW MATERIALS

- Milk and/or products obtained from milk.
- Potable water for the use in reconstitution or recombination.

3.2 PERMITTED INGREDIENTS

- Starter cultures of harmless microorganisms including those specified in Section 2;
- Sodium chloride; and
- Non-dairy ingredients as listed in Section 2.3 (Flavoured Fermented Milks).
- Gelatine and starch in:
 - fermented milks heat-treated after fermentation;
 - flavoured fermented milk; and
 - plain fermented milks if permitted by national legislation in the country of sale to the final consumer;

provided they are added only in amounts functionally necessary as governed by Good Manufacturing Practice, taking into account any use of the stabilizers/thickeners listed in section 4. These substances may be added either before or after adding the non-dairy ingredients.

3.3 COMPOSITION

	Fermented Milk	Yoghurt, Alternate Culture Yoghurt and Acidophilus milk	Kefir	Kumys
Milk protein (a) (% m/m)	min. 2.7%	min. 2.7%	min. 2.7%	
Milk fat (% m/m)	less than 10%	less than 15%	less than 10%	less than 10%
Titrable acidity, expressed as % lactic acid (% m/m)	min. 0.3%	min. 0.6%	min. 0.6%	min. 0.7%
Ethanol (% vol./w)		:		min. 0.5%
Sum of microorganisms constituting the starter culture defined in section 2.1 (cfu/g, in total)	min. 10 ⁷	min. 10 ⁷	min. 10 ⁷	min. 10 ⁷
Labelled microorganisms (b) (cfu/g, total)	min. 10 ⁶	min. 10 ⁶		
Yeasts (cfu/g)			min. 10 ⁴	min. 10 ⁴

⁽a) Protein content is 6.38 multiplied by the total Kjeldahl nitrogen determined.

In Flavoured Fermented Milks the above criteria apply to the fermented milk part. The microbiological criteria (based on the proportion of fermented milk product) are valid up to the date of minimum durability. This requirement does not apply to products heat-treated after fermentation.

Compliance with the microbiological criteria specified above is to be verified through analytical testing of the product through to "the date of minimum durability" after the product has been stored under the storage conditions specified in the labeling.

⁽b) Applies where a content claim is made in the labelling that refers to the presence of a specific microorganism (other than those specified in section 2.1 for the product concerned) that has been added as a supplement to the specific starter culture.

3.4 Essential Manufacturing Characteristics

Whey removal after fermentation is not permitted in the manufacture of fermented milks, except for Concentrated Fermented Milk (Section 2.2).

4 FOOD ADDITIVES

Only those additives classes indicated in the table below may be used for the product categories specified. Within each additive class, and where permitted according to the table, only those individual additives listed may be used and only within the limits specified.

In accordance with Section 4.1 of the Preamble to the General Standard for Food Additives (CODEX STAN 192-1995), additional additives may be present in the flavoured fermented milks as a result of carry-over from non-dairy ingredients.

	Fermer	nted Milks	Fermented Milks Heat Treated Aft Fermentation	
Additive class	Plain	Flavoured	Plain	Flavoured
Colours	- .	х	-	X
Sweeteners	•	X .	-	X
Emulsifiers	-	Х	-	X
Flavour enhancers	-	х	-	Х
Acids	-	x	X	Х
Acidity regulators		. x	Х -	Χ.
Stabilizers	Χ ^I	Х	х	Х
Thickeners	XI	х	x	X
Preservatives	_		-	Х
Packaging gases	_	X	X	X

X = The use of additives belonging to the class is technologically justified. In the case of flavoured products the additives are technologically justified in the dairy portion.

Acidity regulators, colours, emulsifiers, packaging gases and preservatives listed in Table 3 of the General Standard for Food Additives (CODEX STAN 192-1995) are acceptable for use in fermented milk products categories as specified in the table above.

INS No.	Name of Additive	Maximum Level
Acidity Regi	ılators	
334	Tartaric acid (L(+)	
335(i)	Monosodium tartrate	
335(ii)	Disodium tartrate	2000 mg/kg as tartaric acid
336(i)	Monopotassium tartrate	2000 1118 115
336(ii)	Dipotassium tartrate	
337	Potassium sodium tartrate	
355	Adipic acid	
356	Sodium adipate	1500 mg/kg, as adipic acid
357	Potassium adipate	1300 ing kg, as acrys con
359	Ammonium adipate	
		•

^{- =} The use of additives belonging to the class is not technologically justified

¹ = Use is restricted to reconstitution and recombination and if permitted by national legislation in the country of sale to the final consumer.

INS No.	Name of Additive	Maximum Level
Colours		
100(i)	Curcumin	100 mg/kg
101(i)	Riboflavin	200 malka
101(ii)	Riboflavin 5'-phosphate, sodium	300 mg/kg
102	Tartrazine	300 mg/kg
104	Quinoline yellow	150 mg/kg
110	Sunset yellow FCF	300 mg/kg
120	Carmines	150 mg/kg
122	Azorubine	150 mg/kg
124	Ponceau 4R	150 mg/kg
129	Allura red AC	300 mg/kg
132	Indigotine	100 mg/kg
133	Brilliant blue FCF	
141(i)	Chlorophylls, copper complexes	150 mg/kg
141(ii)		500 mg/kg
143	Chlorophyllins, copper complexes, sodium and potassium salts	
150b	Fast green FCF	100 mg/kg
	Caramel II - caustic sulfite process	150 mg/kg
150c	Caramel III – ammonia process	2000 mg/kg
150d	Caramel IV – sulfite ammonia process	2000 mg/kg
151	Brilliant black (Black PN)	150 mg/kg
155	Brown HT	150 mg/kg
160a(i)	beta-Carotene (synthetic)	
160e	beta-apo-8'Carotenal	100
160f	beta-apo-8 Carotenoic acid, methyl or ethyl ester	100 mg/kg
160a(iii)	beta-Carotenes (Blakeslea trispora)	
160a(ii)	Carotenes, vegetable	600 mg/kg
160b(i)	Annatto extracts, bixin-based	20 mg/kg as bixin
160b(ii)	Annatto extracts, norbixin-based	20 mg/kg as norbixin
161b(i)	Lutein from Tagetes erecta	150 mg/kg
161h(i)	Zeaxanthin	150 mg/kg
163(ii)	Grape skin extract	
172(i)	Iron oxide, black	100 mg/kg
172(ii)	Iron oxide, red	100 #
		100 mg/kg
172(iii)	Iron oxide, yellow	
Th 1 . C		
Emulsifiers	D.L. Marketti (Marketti (M	
432	Polyoxyethylene (20) sorbitan monolaurate	·
433	Polyoxyethylene (20) sorbitan monooleate	
434	Polyoxyethylene (20) sorbitan monopalmitate	3000 mg/kg
435	Polyoxyethylene (20) sorbitan	
436	Polyoxyethylene (20) sorbitan	
472e	Diacetyltattaric and fatty acid esters of glycerol	10000 mg/kg
473	Sucrose esters of fatty acids	5000 mg/kg
474	Sucroglycerides	5000 mg/kg
475	Polyglycerol esters of fatty acids	2000 mg/kg
477	Propylene glycol esters of fatty acids	5000 mg/kg
481(i)	Sodium stearoyl lactylate	10000 mg/kg
482(i)	Calcium stearoyl lactylate	
704(1)		
		10000 mg/kg
491	Sorbitan monostearate	
491 492	Sorbitan monostearate Sorbitan tristearate	10000 mg/kg
491 492 493	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate	
491 492 493 494	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monooleate	10000 mg/kg
491 492 493 494 495	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monooleate Sorbitan monopalmitate	10000 mg/kg 5000 mg/kg
491 492 493 494	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monooleate	10000 mg/kg
491 492 493 494 495 900a	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monooleate Sorbitan monopalmitate Polydimethylsiloxane	10000 mg/kg 5000 mg/kg
491 492 493 494 495 900a Flavour Enhan	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monoolaate Sorbitan monopalmitate Polydimethylsiloxane	10000 mg/kg 5000 mg/kg
491 492 493 494 495 900a Flavour Enhan	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monooleate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate	10000 mg/kg 5000 mg/kg
491 492 493 494 495 900a Flavour Enhan 580 620	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monopalmitate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)-	10000 mg/kg 5000 mg/kg 50 mg/kg
491 492 493 494 495 900a Flavour Enhan	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monooleate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate	10000 mg/kg 5000 mg/kg 50 mg/kg GMP
491 492 493 494 495 900a Flavour Enhan 580 620	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monopalmitate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)- Monosodium glutamate, L-	5000 mg/kg 5000 mg/kg 50 mg/kg GMP GMP GMP
491 492 493 494 495 900a Flavour Enhan 580 620 621 622	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monopalmitate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)- Monopotassium glutamate, L- Monopotassium glutamate, L-	5000 mg/kg 5000 mg/kg 50 mg/kg GMP GMP GMP GMP
491 492 493 494 495 900a Flavour Enhan 580 620 621 622 623	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monopalmitate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)- Monosodium glutamate, L- Monopotassium glutamate, L- Calcium glutamate, Dl-L-	5000 mg/kg 5000 mg/kg 50 mg/kg GMP GMP GMP GMP GMP
491 492 493 494 495 900a Flavour Enhan 580 620 621 622 623 624	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monopalmitate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)- Monosodium glutamate, L- Monopotassium glutamate, L- Calcium glutamate, Dl-L- Monoammonium glutamate, L-	5000 mg/kg 5000 mg/kg 50 mg/kg GMP GMP GMP GMP GMP GMP
491 492 493 494 495 900a Flavour Enhan 580 620 621 622 623 624 625	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monolaurate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)- Monosodium glutamate, L- Monopotassium glutamate, L- Calcium glutamate, Dl-L- Monoammonium glutamate, L- Magnesium glutamate, L- Magnesium glutamate, Dl-L-	5000 mg/kg 5000 mg/kg 50 mg/kg GMP GMP GMP GMP GMP GMP GMP GMP
491 492 493 494 495 900a Flavour Enhan 580 620 621 622 623 624 625 626	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monopalmitate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)- Monosodium glutamate, L- Monopotassium glutamate, L- Calcium glutamate, Dl-L- Monoammonium glutamate, L- Magnesium glutamate, L- Guanylic acid, 5'-	5000 mg/kg 5000 mg/kg 50 mg/kg GMP GMP GMP GMP GMP GMP GMP GM
491 492 493 494 495 900a Flavour Enhan 580 620 621 622 623 624 625	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monolaurate Sorbitan monopalmitate Polydimethylsiloxane acers Magnesium gluconate Glutamic acid (L+)- Monosodium glutamate, L- Monopotassium glutamate, L- Calcium glutamate, Dl-L- Monoammonium glutamate, L- Magnesium glutamate, L- Magnesium glutamate, Dl-L-	5000 mg/kg 5000 mg/kg 50 mg/kg GMP GMP GMP GMP GMP GMP GMP GMP

INS No.	Name of Additive	Maximum Level
629	Calcium guanylate, 5'-	GMP
630	Inosinic acid, 5'-	GMP
	Disodium inosinate, 5'-	GMP
	Dipotassium inosinate, 5'-	GMP
633	Calcium inosinate, 5'-	GMP
634	Calcium ribonucleotides, 5'-	GMP
635	Disodium ribonucleotides, 5'-	GMP
636	Maltol	GMP
637	Ethyl maltol	GMP
Prescryatives		
200	Sorbic acid	
201	Sodium sorbate	1000 mg/kg as sorbic acid
202	Potassium sorbate	2444
203	Calcium sorbate	
210	Benzoic acid	
211	Sodium benzoate	300 mg/kg as benzoic acid
212	Potassium benzoate	
213	Calcium benzoate	
234	Nisin	500 mg/kg
Stabilizers and T	hickeners	
170(2)	Calcium carbonate	GMP
170(i)	Calciniti egiocirate	
331(iii)	Trisodium citrate	GMP
338	Orthophosphoric acid	
339(i)	Monosodium orthophosphate	
339(ii)	Disodium orthophosphate	
339(iii)	Trisodium orthophosphate	
340(i)	Monopotassium orthophosphate	
340(ii)	Dipotassium orthophosphate	
340(iii)-	Tripotassium orthophosphate	
341(i)	Monocalcium orthophosphate	
341(ii)	Dicalcium orthophosphate	
341(iii)	Tricalcium orthophosphate	
342(i)	Monoammonium orthophosphate	•
342(ii)	Diammonium orthophosphate	
343(i)	Monomagnesium orthophosphate	
343(ii)	Dimagnesium orthophosphate	1000 mg/kg, singly or in
343(iii)	Trimagnesium orthophosphate	combination, as phosphorus
450(i)	Disodium diphosphate	
450(ii)	Trisodium diphosphate	
450(iii)	Tetrasodium diphosphate	:
450(v)	Tetrapotassium diphosphate	•
450(vi)	Dicalcium diphosphate	
450(vii)	Calcium dihydrogen diphosphate	
451(i)	Pentasodium triphosphate	
451(ii)	Pentapotassium triphosphate	
452(i)	Sodium polyphosphate	
452(ii)	Potassium polyphosphate	
452(iii)	Sodium calcium polyphosphate	
452(iv)	Calcium polyphosphate	
452(v)	Ammonium polyphosphate	1
542	Bone phosphate	GMP
400	Alginic acid	GMP
401	Sodium alginate	GMP
402	Potassium alginate	GMP
403	Ammonium alginate	GMP _
404	Calcium alginate	
405	Propylene glycol alginate	GMP
406	Agar	GMP
407	Carrageenan and its sodium, potassium, ammonium, calcium and	GMP
407	magnesium salts (including furcelleran)	
407a	Processed Eucheuma seaweed	GMP
410	Carob bean gum	GMP
	Guar gum	GMP

INS No.	Name of Additive	Maximum Level
413	Tragacanth gum	GMP
414	Gum arabic	GMP
415	Xanthan gum	GMP
416	Karaya gum	GMP
417	Tara gum	GMP
418	Gellan gum	GMP
425	Konjac flour	GMP
440	Pectins	GMP
459	Beta-cyclodextrin	5 mg/kg
460(i)	Microcrystalline cellulose	GMP
460(ii)	Powdered cellulose	GMP
461	Methyl cellulose	GMP
463	Hydroxypropyl cellulose	GMP
464	Hydroxypropyl methyl cellulose	GMP
465	Methyl ethyl cellulose	GMP.
466	Sodium carboxymethyl cellulose	GMP
467	Ethyl hydroxycthyl cellulose	GMP
468	Cross-linked carboxymethyl cellulose	GMP
469	Sodium carboxymethyl cellulose, enzymatically hydrolyzed	GMP
470(i)	Salts of myristic, palmitic and stearic acids with ammonia, calcium, potassium and sodium	GMP
470(ii)	Salts of oleic acid (calcium, potassium and sodium)	GMP
471	Mono- and di- glycerides	GMP
472a	Acetic and fatty acid esters of glycerol	GMP
472b	Lactic and fatty acid esters of glycerol	GMP
472c	Citric and fatty acid esters of glycerol	GMP
508	Potassium chloride	GMP
509	Calcium chloride	GMP
511	Magnesium chloride	GMP
1200	Polydextrose	GMP
1400	Dextrins, roasted starch	GMP
1401	Acid treated starch	GMP
1402	Alkaline treated starch	GMP
1403	Bleached starch	GMP
1404	Oxidized starch	GMP
1405	Enzyme treated starch	GMP
1410	Mono starch phosphate	GMP
1412	Distarch phosphate	GMP
1413	Phosphated distarch phosphate	GMP
1414	Acetylated distarch phosphate	GMP
1420	Starch acetate	GMP
1422	Acetylated distarch adipate	GMP
1440	Hydroxypropyl starch	GMP
1442	Hydroxypropyl distarch phosphate	GMP
1450	Starch sodium octenyl succinate	GMP
1451	Acetylated oxidized starch	GMP
	Assistance outlined serior	GNII
Sweeteners ¹		
420	Sorbitol and sorbitol syrup	GMP
421	Mannitol	GMP
950	Acesulfame potassium	350 mg/kg
951	Aspartame	1000 mg/kg
952	Cyclamates	250 mg/kg
953	Isomalt	GMP
954	Saccharin	100 mg/kg
955	Sucralose	400 mg/kg
956	Alitame	100 mg/kg
961	Neotame	100 mg/kg
962	Aspartame-acesulfame salt	350 mg/kg on an acesulfame potassium equivalent basis
964	Polyglycitol syrup	GMP
965	Maltitol (including maltitol syrup)	GMP
966	Lactitol	GMP
967	Xylitol	GMP

The use of sweeteners is limited to milk-and milk derivative-based products energy reduced or with no added sugar.

INS No.	Name of Additive	Maximum Level
968	Erythritol	GMP

5. CONTAMINANTS

The products covered by this standard shall comply with the maximum limits for contaminants and the maximum residue limits for pesticides and veterinary drugs established by the Codex Alimentarius Commission.

6. HYGIENE

It is recommended that the products covered by the provisions of this standard be prepared and handled in accordance with the appropriate sections of the Recommended International Code of Practice – General Principles of Food Hygiene (CAC/RCP 1-1969), the Code of Hygienic Practice for Milk and Milk Products (CAC/RCP 57-2004) and other relevant Codex texts such as Codes of Hygienic Practice and Codes of Practice. The products should comply with any microbiological criteria established in accordance with the Principles for the Establishment and Application of Microbiological Criteria for Foods (CAC/GL 21-1997).

7. LABELLING

In addition to the provisions of the Codex General Standard for the Labelling of Prepackaged Foods (CODEX STAN 1-1985) and the General Standard for the Use of Dairy Terms (CODEX STAN 206-1999), the following specific provisions apply:

7.1 NAME OF THE FOOD

7.1.1 The name of the food shall be fermented milk or concentrated fermented milk as appropriate.

However, these names may be replaced by the designations Yoghurt, Acidophilus Milk, Kefir, Kumys, Stragisto, Labneh, Ymer and Ylette, provided that the product complies with the specific provisions of this Standard. Yoghurt may be spelled as appropriate in the country of retail sale.

"Alternate culture yoghurt", as defined in Section 2, shall be named through the use of an appropriate qualifier in conjunction with the word "yoghurt". The chosen qualifier shall describe, in a way that is accurate and not misleading to the consumer, the nature of the change imparted to the yoghurt through the selection of the specific *Lactobacilli* in the culture for manufacturing the product. Such change may include a marked difference in the fermentation organisms, metabolites and/or sensory properties of the product when compared to the product designated solely as "yoghurt". Examples of qualifiers which describe differences in sensory properties include terms such as "mild" and "tangy". The term "alternate culture yoghurt" shall not apply as a designation.

The above specific terms may be used in connection with the term "frozen" provided (i) that the product submitted to freezing complies with the requirements in this Standard, (ii) that the specific starter cultures can be reactivated in reasonable numbers by thawing, and (iii) that the frozen product is named as such and is sold for direct consumption, only.

Other fermented milks and concentrated fermented milks may be designated with other variety names as specified in the national legislation of the country in which the product is sold, or names existing by common usage, provided that such designations do not create an erroneous impression in the country of retail sale regarding the character and identity of the food.

- 7.1.2 Products obtained from fermented milk(s) heat treated after fermentation shall be named "Heat Treated Fermented Milk". If the consumer would be misled by this name, the products shall be named as permitted by national legislation in the country of retail sale. In countries where no such legislation exists, or no other names are in common usage, the product shall be named "Heat Treated Fermented Milk".
- 7.1.3 The designation of Flavoured Fermented Milks shall include the name of the principal flavouring substance(s) or flavour(s) added.

7.1.4 Fermented milks to which only nutritive carbohydrate sweeteners have been added, may be
labeled as "sweetened", the blank being replaced by the term "Fermented Milk" or another
designation as specified in Section 7.1.1. If non-nutritive sweeteners are added in partial or total
substitution to sugar, the mention "sweetened with" or "sugared and sweetened with"
should appear close to the name of the product, the blank being filled in with the name of the artificia
sweeteners.

7.1.5 The names covered by this Standard may be used in the designation, on the label, in commercial documents and advertising of other foods, provided that it is used as an ingredient and that the characteristics of the ingredient are maintained to a relevant degree in order not to mislead the consumer.

7.2 DECLARATION OF FAT CONTENT

If the consumer would be mislead by the omission, the milk fat content shall be declared in a manner acceptable in the country of sale to the final consumer, either as (i) a percentage of mass or volume, or (ii) in grams per serving as qualified in the label, provided that the number of servings is stated.

7.3 LABELLING OF NON-RETAIL CONTAINERS

Information required in Section 7 of this Standard and Sections 4.1 to 4.8 of the General Standard for the Labelling of Pre-packaged Foods, and, if necessary, storage instructions, shall be given either on the container or in accompanying documents, except that the name of the product, lot identification, and the name and address of the manufacturer or packer, shall appear on the container. However, lot identification and the name and address of the manufacturer or packager may be replaced by an identification mark, provided that such mark is clearly identifiable with the accompanying documents.

8. METHODS OF SAMPLING AND ANALYSIS

See CODEX STAN 234-1999.

codex alimentarius commission





April 2002

ALINORM 03/11

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX ALIMENTARIUS COMMISSION

Twenty-Fifth Session

Rome, Italy, 30 June - 5 July 2003

REPORT OF THE FIFTH SESSION OF THE CODEX COMMITTEE ON MILK AND MILK PRODUCTS

Wellington, New Zealand, 8 - 12 April 2002

Note: This report includes Codex Circular Letter CL 2002/11-MMP

APPENDIX III

DRAFT REVISED STANDARD FOR FERMENTED MILKS

(Advanced to Step 8)

1. SCOPE

This standard applies to fermented milks, that is Fermented Milk including, Heat Treated Fermented Milks. Concentrated Fermented Milks and composite milk products based on these products, for direct consumption or further processing in conformity with the definitions in Section 2 of this Standard.

2. DESCRIPTION

2.1 FERMENTED MILK

Fermented Milk is a milk product obtained by fermentation of milk, which milk may have been manufactured from products obtained from milk with or without compositional modification as limited by the provision in Section 3.3, by the action of suitable microorganisms and resulting in reduction of pH with or without coagulation (iso-electric precipitation). These starter microorganisms shall be viable, active and abundant in the product to the date of minimum durability. If the product is heat-treated after fermentation the requirement for viable microorganisms does not apply.

Certain Fermented Milks are characterized by specific starter culture(s) used for fermentation as follows:

Yoghurt:

Symbiotic cultures of Streptococcus thermophilus and Lactobacillus

delbrueckii subsp. bulgaricus.

Alternate Culture Yoghurt:

Cultures of Streptococcus thermophilus and any Lactobacillus species.

Acidophilus Milk:

Lactobacillus acidophilus.

Ketir:

Starter culture prepared from kefir grains, Lactobacillus kefiri, species of

the genera Leuconostoc, Lactococcus and Acetobacter growing in a

strong specific relationship.

Kefir grains constitute both lactose fermenting yeasts (Kluvveromyces non-lactose-fermenting yeasts marxianus) and (Saccharomyces unisporus, Saccharomyces cerevisiae and Saccharomyces exiguus).

Kumys:

Lactobacillus delbrueckii subsp. bulgaricus and Kluyveromyces

marxianus.

Other microorganisms than those constituting the specific starter culture(s) specified above may be added.

2.2 CONCENTRATED FERMENTED MILK

Concentrated Fermented Milk is a Fermented Milk the protein of which has been increased prior to or after fermentation to minimum 5.6%. Concentrated Fermented Milks includes traditional products such as Stragisto (strained yoghurt), Labneh, Ymer and Ylette.

2.3 FLAVOURED FERMENTED MILKS

Flavoured Fermented Milks are composite milk products, as defined in Section 2.3 of the Codex General Standard for the Use of Dairy Terms (CODEX STAN 206-1999) which contain a maximum of 50% (w/w) of non-dairy ingredients (such as nutritive and non nutritive carbohydrates, fruits and vegetables as well as juices, purees, pulps, preparations and preserves derived therefrom, cereals, honey, chocolate, nuts, coffee, spices and other harmless natural flavouring foods) and/or flavours. The non-dairy ingredients can be mixed in prior to/or after fermentation.

3. ESSENTIAL COMPOSITION AND QUALITY FACTORS

3.1 RAW MATERIALS

- Milk and/or products obtained from milk.
- Potable water for the use in reconstitution or recombination.

3.2 PERMITTED INGREDIENTS

- Starter cultures of harmless microorganisms including those specified in Section 2;
- · Sodium chloride; and
- Non-dairy ingredients as listed in Section 2.3 (Flavoured Fermented Milks).
- Gelatine and starch in:
 - fermented milks heat-treated after fermentation,
 - flavoured fermented milk, and
 - plain fermented milks if permitted by national legislation in the country of sale to the final consumer,

provided they are added only in amounts functionally necessary as governed by Good Manufacturing Practice, taking into account any use of the stabilizers/thickeners listed in section 4. These substances may be added either before or after adding the non-dairy ingredients.

3.3 COMPOSITION

	Fermented Milk	Yoghurt, Alternate Culture Yoghurt and Acidophilus milk	Kefir	Kumys
Milk protein ^a (% w/w)	min, 2.7%	min. 2.7%	min. 2.7%	
Milk fat (% w/w)	less than 10%	less than 15%	less than 10%	less than 10%
Titrable acidity, expressed as % lactic acid (% w/w)	min. 0.3%	min. 0.6%	min. 0.6%	min. 0.7%
Ethanol (% vol./w)				min. 0.5%
Sum of microorganisms constituting the starter culture defined in section 2.1 (cfu/g, in total)	min. 10 ⁷	min. 10 ⁷	min. 10 ⁷	min. 10 ⁷
Labelled microorganisms ^b (cfu/g, total)	min. 10 ⁶	min. 10 ⁶		
Yeasts (cfu/g)			min. 10 ⁴	min. 10⁴

- a) Protein content is 6.38 multiplied by the total Kjeldahl nitrogen determined.
- b) Applies where a content claim is made in the labelling that refers to the presence of a specific microorganism (other than those specified in section 2.1 for the product concerned) that has been added as a supplement to the specific starter culture.

In Flavoured Fermented Milks the above criteria apply to the fermented milk part. The microbiological criteria (based on the proportion of fermented milk product) are valid up to the date of minimum durability. This requirement does not apply to products heat-treated after fermentation.

Compliance with the microbiological criteria specified above is to be verified through analytical testing of the product through to "the date of minimum durability" after the product has been stored under the storage conditions specified in the labeling.

3.4 ESSENTIAL MANUFACTURING CHARACTERISTICS

Whey removal after fermentation is not permitted in the manufacture of fermented milks, except for Concentrated Fermented Milk (Section 2.2).

4 FOOD ADDITIVES

Only those additives classes indicated in the table below may be used for the product categories specified. Within each additive class, and where permitted according to the table, only those individual additives listed may be used and only within the limits specified.

In accordance with Section 4.1 of the Preamble to the General Standard for Food Additives (CODEX STAN 192 (Rev. 2-1999), additional additives may be present in the flavoured fermented milks as a result of carry-over from non-dairy ingredients.

	Fermented Milks		Fermented Milks Heat Treated Afte Fermentation		
	Plain	Flavoured	Plain	Flavoured	
Additive class					
Colours	_	×	-	×	
Sweeteners	-	×	-	×	
Emulsifiers		×	-	×	
Flavour enhancers	-	×	-	×	
Acids		×	×	×	
Acidity regulators	-	×	×	×	
Stabilizers	×1	×	×	×	
Thickeners	X1	×	×	×	
Preservatives	-	-	- 1	×	
Packaging gases	*	×	×	×	

X = The use of additives belonging to the class is technologically justified. In the case of flavoured products the additives are technologically justified in the dairy portion.

5. CONTAMINANTS

The products covered by this standard shall comply with the maximum limits for contaminants and the maximum residue limits for pesticides and veterinary drugs established by the Codex Alimentarius Commission.

6. HYGIENE

6.1 It is recommended that the products covered by the provisions of this Standard be prepared and handled in accordance with the appropriate sections of the Recommended International Code of Practice - General Principles of Food Hygiene (CAC/RCP 1-1969, Rev. 3-1997, Codex Alimentarius, Volume IB), and other relevant Codex texts such as Codes of Hygienic Practice and Codes of Practice.

^{- =} The use of additives belonging to the class is not technologically justified

Use is restricted to reconstitution and recombination and if permitted by national legislation in the country of sale to the final consumer.

- 6.2 From raw material production to the point of consumption, the products covered by this Standard should be subject to a combination of control measures, which may include, for example, pasteurization, and these should be shown to achieve the appropriate level of public health protection.
- 6.3 The products should comply with any microbiological criteria established in accordance with the Principles for the Establishment and Application of Microbiological Criteria for Foods (CAC/GL 21-1997, Codex Alimentarius, Volume 1B).

LABELLING

In addition to the provisions of the Codex General Standard for the Labelling of Prepackaged Foods (CODEX STAN 1-1985, Rev. 1-1991, Codex Alimentarius, Volume 1A) and the General Standard for the Use of Dairy Terms (CODEX STAN 206-1999), the following specific provisions apply:

7.1 NAME OF THE FOOD

7.1.1 The name of the food shall be fermented milk or concentrated fermented milk as appropriate.

However, these names may be replaced by the designations Yoghurt, Acidophilus Milk, Kefir, Kumys, Stragisto, Labneh, Ymer and Ylette, provided that the product complies with the specific provisions of this Standard. Yoghurt may be spelled as appropriate in the country of retail sale.

"Alternate culture yoghurt", as defined in Section 2, shall be named through the use of an appropriate qualifier in conjunction with the word "yoghurt". The chosen qualifier shall describe, in a way that is accurate and not misleading to the consumer, the nature of the change imparted to the yoghurt through the selection of the specific *Lactobacilli* in the culture for manufacturing the product. Such change may include a marked difference in the fermentation organisms, metabolites and/or sensory properties of the product when compared to the product designated solely as "yoghurt". Examples of qualifiers which describe differences in sensory properties include terms such as "mild" and "tangy". The term "alternate culture yoghurt" shall not apply as a designation.

The above specific terms may be used in connection with the term "frozen" provided (i) that the product submitted to freezing complies with the requirements in this Standard, (ii) that the specific starter cultures can be reactivated in reasonable numbers by thawing, and (iii) that the frozen product is named as such and is sold for direct consumption, only.

Other fermented milks and concentrated fermented milks may be designated with other variety names as specified in the national legislation of the country in which the product is sold, or names existing by common usage, provided that such designations do not create an erroneous impression in the country of retail sale regarding the character and identity of the food.

- 7.1.2 Products obtained from fermented milk(s) heat treated after fermentation shall be named "Heat Treated Fermented Milk". If the consumer would be misled by this name, the products shall be named as permitted by national legislation in the country of retail sale. In countries where no such legislation exists, or no other names are in common usage, the product shall be named "Heat Treated Fermented Milk".
- 7.1.3 The designation of Flavoured Fermented Milks shall include the name of the principal flavouring substance(s) or flavour(s) added.
- 7.1.4 Fermented milks to which only nutritive carbonhydrate sweeteners have been added, may be labeled as "sweetened ______", the blank being replaced by the term "Fermented Milk" or another designation as specified in Section 7.1.1. If non-nutritive sweeteners are added in partial or total substitution to sugar, the mention "sweetened with ______" or "sugared and sweetened with ______" should appear close to the name of the product, the blank being filled in with the name of the artificial sweeteners.
- 7.1.5 The names covered by this Standard may be used in the designation, on the label, in commercial documents and advertising of other foods, provided that it is used as an ingredient and that the characteristics of the ingredient are maintained to a relevant degree in order not to mislead the consumer.

7.2 DECLARATION OF FAT CONTENT

If the consumer would be mislead by the omission, the milk fat content shall be declared in a manner acceptable in the country of sale to the final consumer, either as (i) a percentage of mass or volume, or (ii) in grams per serving as qualified in the label, provided that the number of servings is stated.

7.3 LABELLING OF NON-RETAIL CONTAINERS

Information required in Section 7 of this Standard and Sections 4.1 to 4.8 of the General Standard for the Labelling of Pre-packaged Foods, and, if necessary, storage instructions, shall be given either on the container or in accompanying documents, except that the name of the product, lot identification, and the name and address of the manufacturer or packer, shall appear on the container. However, lot identification and the name and address of the manufacturer or packager may be replaced by an identification mark, provided that such mark is clearly identifiable with the accompanying documents.

8. METHODS OF SAMPLING AND ANALYSIS

See Codex Alimentarius, Volume 13.

はっ酵乳改正規格案 (ステップ8に進む)

1. 適用範囲

本規格は、直接消費もしくは更に加工処理することを目的とした本規格の第2項に示した定義に適合するはつ酵乳類に適用される。はつ酵乳類とは、加熱処理はつ酵乳、濃縮はつ酵乳及びこれらの製品から成る複合乳製品をいう。

2. 製品説明

2.1 はっ酵乳

はっ酵乳とは、乳に対して適切な微生物を作用させることによって凝固(等電点沈殿)を伴うもしくは伴わずに pH を低下させる発酵によって得られる乳製品をいう。 乳は、乳から得られる製品から、第 3.3 項の規定に従うように組成調整を受けるかも しくは受けることなしに製造してもよい。それらのスターター微生物は品質保持期限 内において製品中に生存し、活性があり、かつ多数存在しなければならない。発酵後 に加熱処理をする場合、微生物の生菌規定は適用されない。

いくつかのはっ酵乳は、発酵に使用される以下の特徴的スターターカルチャーによって特色付けられる。

ョーグルト

Streptococcus thermophilus 及び Lactobacillus delbrueckii subsp.bulgaricus の共生カルチャー。

カルチャー代替ヨーグルト

Streptococcus thermophilus 及びあらゆる乳酸桿

菌属のカルチャー

アシドフィルスミルク

Lactobacillus acidophilus

ケフィア

強力な特定の関連性をもって生育するケフィア粒、

Lactobacillus kefiri, Leuconostoc, Lactococcus 及び Acetobacter 属の各種微生物群から調製したス

ターターカルチャー。

ケフィア粒は、乳糖発酵性酵母(Kluyveromyces marxianus)及び非乳糖発酵性酵母(Saccharomyces

unisporus,Saccharomyces cerevisiae 及び

Saccharomyces exiguus)の両酵母から構成される。

ク ー ミ ス

Lactobacillus delbrueckii subsp.bulgaricus 及び

Kluyveromyces marxianus

上記で規定されている特徴的なスターターカルチャー以外の微生物も加えてよい。

2.2 濃縮はっ酵乳

濃縮はっ酵乳は、発酵の前又は後に、蛋白質が 5.6%以上に増加した発酵乳をいう。 濃縮はっ酵乳には、Stragisto(うらごししたヨーグルト)、Labneh、Ymer 及び Ylette の類の伝統的な製品が含まれる。

2.3 フレーバードはつ酵乳

フレーバードはっ酵乳は、乳用語使用に係る一般規格(CODEX STAN 206-1999)の第2.3 項で定義されている複合乳製品であり、非乳原料(栄養性及び非栄養性炭水化物、果実及び野菜、果実及び野菜ジュース、ピューレ、パルプ、調製品及びジャム、穀物、蜂蜜、チョコレート、ナッツ類、コーヒー、スパイス類及びその他の無害な天然賦香用食品)及び/又は香料を最大50%(w/w)含む製品をいう。非乳原料は、発酵前もしくは発酵後に混合してよい。

3. 必須成分及び品質要素

- 3.1 原材料
 - ・乳及び/又は乳から得られる製品
 - ・加水還元または組合せ還元の際に使用する飲用水
- 3.2 許可原料
 - ・無害な微生物(第2項で特定されているものを含む)のスターターカルチャー
 - 塩化ナトリウム:及び
 - ・第2.3項に記載の非乳原料(フレーバードはっ酵乳)
 - ゼラチン及び澱粉:
 - 加熱処理はっ酵
 - フレーバードはっ酵乳
 - 最終消費者への販売国の国内法規で許可されている場合、プレーンはっ酵乳 これらの物質は第4項に記載の安定剤/増粘剤の使用を考慮し、GMPの範囲内 で技術的な必要量のみ添加する。これらの物質は非乳原料の添加前又は後に添加 してよい。

3.3 組 成

	はっ酵乳	ヨーク・みト、カルチャー 代替ヨーク・ルト及び アシト・フィルスミルク	ケフィア	クーミス
乳蛋白質 *(%w/w)	2.7%以上	2.7%以上	2.7%以上	
乳脂肪 (%w/w)	10%以下	15%以下	10%以下	10%以下
滴定酸度 (乳酸表示、%w/w)	0.3%以上	0.6%以上	0.6%以上	0.7%以上
エタノール (%vol/w)				0.5%以上
第 2.1 項で定義さ れるスターター微 生物(cfu/g、合計)	107以上	107以上	107以上	107以上
表示微生物 ^b (cfu/g、合計)	106以上	106以上		
酵母 (cfu/g)			104以上	104以上

- a) 蛋白質含量はケルダール法で測定した全窒素量に 6.38 を乗じたものである。
- b) スターターカルチャーの補足として加えた特徴的な微生物 (第 2.1 項で規定されている以外の微生物) が存在することを表示中で言及する場合に適用する。

フレーバードはっ酵乳の場合は、はっ酵乳部分に上記の組成基準を適用する。はっ 酵乳部分の微生物基準については、品質保持期限内において保証する必要がある。こ の規定は、発酵後加熱処理した製品には適用されない。

上記の微生物基準に準拠していることは、ラベル上に記載された保存条件で保存した製品を「品質保持期限日」まで分析検査することによって確認する。

3.4 製造上の必須の特徴

濃縮はっ**酵乳(**第 2.2 項)を除き、はっ酵乳類の製造において発酵後のホエイ除去は 認められない。

4. 食品添加物

次の表に示した添加物クラスのみ各製品カテゴリーで使用できる。表中で許されている各添加物クラスについて、掲げられている個々の添加物を規定されている制限量で使用できる。

コーデックス食品添加物一般規格(CODEX STAN 192 Rev.2-1999)の前文の第4.1項に従って、フレーバードはっ酵乳中には、非乳原料由来のキャリーオーバーの結果として他の添加物が存在しうる。

	はっ	酵乳	加熱処理	はっ酵乳
	プレーン	フレーハ゛ート゛	プレーン	フレーハ・ート・
添加物クラス				
着 色 料		×		×
甘味料	_ '	×	_	×
乳化剤		, X	<u> </u>	× .
香味増進剤		×	<u> </u>	×
酸		×	×	×
pH調整剤	. -	×	×	×
安定剤	X1	×	×	· ×
增粘剤	×1	×	×	×
保存料		_	_	×
梱包ガス		×	×	×

- × = この添加物クラスに属する添加物の使用は技術的な正当性がある。フレー パード製品の場合は、乳部分の添加物に技術的な正当性がある。
- = この添加物クラスに属する添加物の使用には技術的な正当性がない。
- 1 最終消費者への販売国の国内法規で許可されており、かつ、加水還元、組合せ還元の場合の使用に限定される。

5. 汚染物質

本規格の適用を受ける製品は、コーデックス食品規格委員会が定める汚染物質の最大限度値及び農薬・動物用医薬品の最大残留限度値に従うこと。

6. 衛 生

- 6.1 本規格の適用を受ける製品は、勧告国際取扱実施規範:食品衛生一般原則 (CAC/RCP 1-1969, Rev. 3-1997、食品規格集 Volume 1B)の該当項目及び衛生取扱実 施規範や取扱実施規範等の関連する他のコーデックス文書の該当項目に準拠して製造 し、取扱うことを勧告する。
- 6.2 本規格の適用を受ける製品は、原材料の生産段階から消費に至る段階まで、いくつかの管理方法(例えば殺菌等を含む)の組み合わせを適用すべきである。これらの管理方法は、公衆衛生保護の適切な水準の達成を示さなければならない。
- 6.3 本製品は、食品の微生物基準の設定と適用に関する原則(CAC/GL 21-1997、食品規格集 Volume 1B)に準じて制定される微生物基準に従うべきである。

7. 表 示

コーデックス包装食品表示一般規格(CODEX STAN 1-1985, Rev. 1-1991、食品規格 集 Volume 1A)及び乳用語使用に係る一般規格(CODEX STAN 206-1999)の規定に加 え、以下の特定の規定を適用する。

7.1 食品の名称

7.1.1 食品の名称は適切にはっ酵乳又は濃縮はっ酵乳とすること。 ただし、これらの名称は、本規格に示したヨーグルト、アシドフィルスミルク、ケ フィア、クーミス、Stragisto、Labneh、Ymer 及び Ylette の規定に適合する製品のみ、各々の名称と置き換えてもよい。ヨーグルトの綴りは販売国内で適切に行うこと。

第2項で定義されている「カルチャー代替ヨーグルト」は、「ヨーグルト」という用語と共に適切な修飾語を使用して名称とすること。選択する修飾語は、正確かつ消費者が誤解しないように、製品を製造する際に選択した特定の乳酸桿菌属カルチャーによりヨーグルトにもたらされる性質の変化を表すものとすること。性質の変化には、「ヨーグルト」と単独で称される製品と比較した時の発酵微生物、代謝産物及び/又は官能特性の差異が含まれる。官能特性の差異を表す修飾語の例には「mild」、「tangy」という類の用語がある。「カルチャー代替ヨーグルト」という用語は名称としては適切でない。

上記の特徴的な名称は、(i)本規格の規定に適合し凍結処理された製品、(ii)解凍により妥当な数の特徴的なスターターカルチャーが活性を有する、(iii)フローズン製品と称され直接消費者に販売される場合のみ、「フローズン」という用語と組合わせて使用してよい。

他のはっ酵乳及び濃縮はっ酵乳は、食品の特性及び同一性について販売国内で間違った印象を与えることがない場合には、製品の販売国の国内法規で規定されている他の様々な名称、又は一般的に使用されている現存名称で呼称してもよい。

- 7.1.2 発酵後加熱処理したはっ酵乳から得られる製品は、「加熱処理はっ酵乳」と称すること。消費者がこの名称により誤解する場合は、販売国の国内法規で許可されている名称としてよい。この種の法規が存在しない、又は他の一般的に使用されている名称が存在しない国では「加熱処理はつ酵乳」と称すること。
- 7.1.3 フレーバードはっ酵乳の名称には、添加された主要な賦香用物質又は香料の名称を組み入れること。
- 7.1.4 栄養性炭水化物甘味料のみ添加したはっ酵乳は、「甘味付与○○」と表示してよく、○○の部分は第 7.1.1 項に従って「はっ酵乳」又は他の名称と置き換える。砂糖の部分的または全部の代用として非栄養性甘味料を添加した場合は、製品の名称の近くに「~で甘味付与」又は「加糖及び~で甘味付与」と記載し、~の部分に合成甘味料の名称を入れること。
- 7.1.5 本規格の適用を受ける名称は、他の食品の一成分として使用され、かつ成分の特 徴が消費者が誤解をしないよう適切に維持されている場合、他の食品の名称、ラベル、 商業用文書及び広告に使用することができる。
- 7.2 乳脂肪含量の明記

省略することにより消費者が誤解するおそれがある場合、乳脂肪含量は、販売国内で最終消費者に受け入れられる(i)重量パーセント又は容量パーセント、又は(ii)サービング数が示されている場合はサービング当たりのグラム数のいずれかの方法で明記すること。

7.3 非小売用容器の表示

本規格第7項及び包装食品表示一般規格の第4.1項~第4.8項で要求されている情報、及び必要ならば保存に関する指示は、容器上もしくは添付説明書に記載すること。ただし、製品の名称、ロット識別、製造業者又は包装業者の名前と所在地は容器上に記載すること。ロット識別、製造業者又は包装業者の名前と所在地は、添付説明書に照したとき、その記号が明らかに識別可能な場合、識別記号に代えてもよい。

8. 分析法及びサンプリング法

食品規格集 Volume 13 を参照のこと。