

FrieslandCampina Global Nutritional Standards - Next level		FrieslandCampina Global Nutritional Standards - Next level													
Classification		Positioning		To comply with Nutrients to secure				To comply with Nutrients to limit ^{1,2}							
Classification		Positioning		Criterion		Criterion		# of criteria to comply with		Energy ¹		SAFA	TFA ²	Added Sugar	Sodium
Classification		Positioning		Criterion		Criterion		Energy ¹		SAFA	TFA ²	Added Sugar	Sodium		
Classification		Positioning		Criterion		Criterion		Energy ¹		SAFA	TFA ²	Added Sugar	Sodium		
<p>INFANT FOOD (READY TO CONSUME)</p> <p>If, FOF products are highly regulated and must comply to a very strict nutritional composition as described by law. The regulations differ per region and country. Therefore FC has not set separate nutrition criteria for IF and FOF, but products will comply to regulatory requirements on nutritional composition.</p>															
Classification		Positioning		Criterion		Criterion		Energy ¹		SAFA	TFA ²	Added Sugar	Sodium		
IF (0-6 months) / FOF (6-12 months)		Tailored Nutrition		Milk protein ≥ 1.8 - ≤ 3.5 g/100 kcal		Ca > 90 - ≤ 180 mg/100 kcal		5 out of 5		≤ 70 kcal per 100ml	≤ 3.1 g/100 kcal	≤ 0.1 g/100kcal	≤ 2.5 g/100kcal ³	≥ 20 - ≤ 75 mg/100kcal	
YCF Junior (12-36 months)		Tailored Nutrition		Milk protein ≥ 2.0 - ≤ 3.5g/100kcal		-		5 out of 5		≤ 95 kcal/100g	≤ 2.3 g/100kcal	≤ 0.1 g/100kcal	0 g/100g	≤ 60 mg/100kcal	
IPT Milk based cereals (4-36 months)		Tailored Nutrition		Milk protein ≥ 2.0 - ≤ 3.5g/100kcal		Fibre ≥ 0.4 g/100 kcal AND ≥ 50% of fibers from cereals ⁴		5 out of 5		≤ 95 kcal/100g	≤ 2.3 g/100kcal	≤ 0.1 g/100kcal	≤ 2.5 g/100kcal	≤ 60 mg/100kcal	
		Tailored Nutrition		Milk protein ≥ 2.0 - ≤ 3.5g/100kcal		Fibre ≥ 0.6 g/100 kcal AND ≥ 60% of fibers from cereals ⁴		5 out of 5		≤ 95 kcal/100g	≤ 2.3 g/100kcal	≤ 0.1 g/100kcal	≤ 2.5 g/100kcal	≤ 60 mg/100kcal	
		Tailored Nutrition		Milk protein ≥ 2.0 - ≤ 3.5g/100kcal		Fibre ≥ 0.8 g/100 kcal AND ≥ 70% of fibers from cereals ⁴		5 out of 5		≤ 95 kcal/100g	≤ 2.3 g/100kcal	≤ 0.1 g/100kcal	≤ 2.5 g/100kcal	≤ 60 mg/100kcal	
Classification		Positioning		Criterion		Criterion		Energy ¹		SAFA	TFA ²	Added Sugar	Sodium		
		Tailored Nutrition		Milk protein ≥ X g/100g ⁵		Ca ≥ Y mg/100g ⁵		5 out of 5		≤ 8% DV/erving	≤ 1.4 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 100 mg/100g	
Milk products		Daily Nutrition		Milk protein ≥ X g/100g ⁵		Ca ≥ Y mg/100g ⁵		4 out of 5 ⁶ AND added sugar always ≤ 6.5 g/100g		≤ 8% DV/erving	≤ 1.4 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 100 mg/100g	
		Affordable Nutrition ⁷		(Milk) protein ≥ Z g/serve ⁸		Ca ≥ Q mg/serve ⁸		4 out of 5 ⁶ AND added sugar always ≤ 6.5 g/100g		≤ 8% DV/erving	≤ 1.4 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 100 mg/100g	
		Treats & Taste Enhancers ⁹		-		No criterion		Energy and TFA		≤ 8% DV/erving	No criterion	≤ 0.1 g/100g	No criterion	No criterion	
Milk based products		Tailored Nutrition		Milk protein ≥ X g/100g ¹⁰		Ca ≥ Y mg/100g ¹⁰		5 out of 5		≤ 8% DV/erving	≤ 1.4 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 100 mg/100g	
		Daily Nutrition		Milk protein ≥ X g/100g ¹⁰		Ca ≥ Y mg/100g ¹⁰		4 out of 5 ⁶ AND added sugar always ≤ 6.5 g/100g		≤ 8% DV/erving	≤ 1.4 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 100 mg/100g	
		Affordable Nutrition ⁷		(Milk) protein ≥ Z g/serve ⁸		Ca ≥ Q mg/serve ⁸		4 out of 5 ⁶ AND added sugar always ≤ 6.5 g/100g		≤ 8% DV/erving	≤ 1.4 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 100 mg/100g	
		Treats & Taste Enhancers ⁹		-		No criterion		Energy and TFA		≤ 8% DV/erving	No criterion	≤ 0.1 g/100g	No criterion	No criterion	
Cheese		Tailored Nutrition		Milk protein ≥ 5 g/100g ¹¹		Ca > T mg/100g ¹¹		5 out of 5		≤ 5% DV/erving	≤ 14.0 g/100g	≤ 0.1 g/100g	0.0 g/100g	≤ 750 mg/100g	
		Daily Nutrition		Milk protein ≥ 5 g/100g ¹¹		Ca > T mg/100g ¹¹		4 out of 5 ⁶ AND added sugar always ≤ 6.5 g/100g		≤ 5% DV/erving	≤ 14.0 g/100g	≤ 0.1 g/100g	0.0 g/100g	≤ 750 mg/100g	
		Treats & Taste Enhancers		-		No criterion		Energy and TFA		≤ 5% DV/erving	No criterion	≤ 0.1 g/100g	No criterion	No criterion	
Butter		Tailored Nutrition		Vitamin A ≥ V mcg/100g ¹²		Vitamin D ≥ W mcg/100g ¹²		5 out of 5		≤ 4% DV/erving	≤ 28.0 g/100g	≤ 0.5 g/100g	0.0 g/100g	≤ 160 mg/100g	
		Daily Nutrition		Vitamin A ≥ V mcg/100g ¹²		Vitamin D ≥ W mcg/100g ¹²		4 out of 5 ⁶ AND sodium always ≤ 240 mg/100g		≤ 4% DV/erving	≤ 28.0 g/100g	≤ 0.5 g/100g	0.0 g/100g	≤ 160 mg/100g	
		Treats & Taste Enhancers		-		No criterion		Energy and TFA		≤ 4% DV/erving	No criterion	≤ 0.5 g/100g	No criterion	No criterion	
Meat substitutes		Tailored Nutrition		≥ 20 En% protein		Iron ≥ 0.8 mg/100g		5 out of 5		≤ 10% DV/erving	≤ 5.0 g/100g	≤ 0.1 g/100g	≤ 2.5 g/100g	≤ 600 mg/100g	
		Daily Nutrition		≥ 20 En% protein		Iron ≥ 0.8 mg/100g		4 out of 5 ⁶ AND all criteria always not to exceed ≥ 30% of criterion		≤ 10% DV/erving	≤ 5.0 g/100g	≤ 0.1 g/100g	≤ 2.5 g/100g	≤ 600 mg/100g	
		Treats & Taste Enhancers		-		No criterion		Energy and TFA		≤ 10% DV/erving	No criterion	≤ 0.1 g/100g	No criterion	No criterion	
Dairy based breakfast ¹³		Tailored Nutrition		Total protein ≥ 12 g/serve of which Milk protein ≥ X g/serve ¹⁴		Fibre ≥ 1,1 g/100g ¹⁴		5 out of 5		≥ 10% - ≤ 17.5% DV/erving	≤ 1.6 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 145 mg/100g	
		Daily Nutrition		Total protein ≥ 12 g/serve of which Milk protein ≥ X g/serve ¹⁴		Fibre ≥ 1,1 g/100g ¹⁴		4 out of 5 ⁶ AND added sugar always ≤ 6.5g/100g		≥ 10% - ≤ 17.5% DV/erving	≤ 1.6 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 145 mg/100g	
		Affordable Nutrition ⁷		Total protein ≥ 12 g/serve of which Milk protein ≥ Z g/serve ¹⁴		Fibre ≥ 1,1 g/100g ¹⁴		4 out of 5 ⁶ AND added sugar always ≤ 6.5 g/100g		≥ 10% - ≤ 17.5% DV/erving	≤ 1.6 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 145 mg/100g	
Classification		Positioning		Criterion		Criterion		Energy ¹		SAFA	TFA ²	Added Sugar	Sodium		
		Tailored Nutrition		Milk protein ≥ X g/100g ¹⁵		Ca ≥ Y mg/100g ¹⁵		5 out of 5		≤ 20 kcal/100ml	≤ 1.1 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 20 mg/100g	
Beverages		Daily Nutrition ¹⁵		Milk protein ≥ X g/100g ¹⁵		Ca ≥ Y mg/100g ¹⁵		4 out of 5 ⁶ AND remaining criterion not to exceed ≥ 30% of criterion		≤ 20 kcal/100ml	≤ 1.1 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 20 mg/100g	
		Treats & Taste Enhancers		-		No criterion		4 out of 5 ⁶ AND remaining criterion not to exceed ≥ 30% of criterion		≤ 20 kcal/100ml	≤ 1.1 g/100g	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 20 mg/100g	
Ice cream		Tailored Nutrition		-		No criterion		5 out of 5		≤ 110 kcal/erving	≤ 6.0 g/100g	≤ 0.4 g/100g	≤ 20 g/100g	≤ 200 mg/100g	
		All other ice cream		-		No criterion		4 out of 5 ⁶ AND remaining criterion not to exceed ≥ 30% of criterion		≤ 110 kcal/erving	≤ 6.0 g/100g	≤ 0.4 g/100g	≤ 20 g/100g	≤ 200 mg/100g	
Classification		Positioning		Criterion		Criterion		Energy ¹		SAFA	TFA ²	Added Sugar	Sodium		
		Tailored Nutrition		Milk protein ≥ 20 - ≤ 30 g/erving		-		5 out of 5		≤ 10% DV/erving	-	≤ 0.1 g/100g	≤ 5.0 g/100g	≤ 200 mg/erving	
Energy concentrated / same amount of carbs in smaller serving size		Tailored Nutrition		-		Carbohydrates ≥ 10 - ≤ 43.75 g/erving		5 out of 5		≥ 40 - ≤ 175 kcal/erving	-	≤ 0.1 g/100g	-	≤ 200 mg/erving	

Green: Products with nutritional purpose. Orange: Products without nutritional purpose.

- Where energy is expressed as % Daily Reference Value (DV) per serving, DV for adults is 2000 kcal, for children (4 - 12y) 1700 kcal, for pregnant and lactating women 2300 kcal, for sports nutrition 2300 kcal.
- Naturally occurring trans fatty acids from meat or milk are excluded.
- YCF Junior: minimum of 8.5 g lactose per 100 kcal and a maximum of total carbohydrates (incl. lactose and added sugar) conform Codex (=12.5 g/100 kcal for products ≥ 3g protein/100 kcal). Minimum for lactose level is based on lactose level in breastmilk.
- Unless local availability and culture define that the product is made of a substantial part of e.g. maize/rice that do not contain significant levels of fibre by nature.
- Amount of milk protein and calcium varies and criteria are set as ≥ 70% milk protein and calcium naturally present in the milk of the country or region.
- Product should always comply with Trans Fatty Acid criteria.
- Affordable nutrition products need to contain at least 15% of NRV (for milk (based) products) and at least 30% of NRV (for dairy based breakfasts) of at least 5 out of the following micro nutrients: Vit A, D, B12, Ca, Zn, Fe and iodine, unless not allowed by legislation or when national fortification programs are in place. NRV (Nutrient Reference Value) according to Codex CAC/GL 2-1985.
- Fortification is based on WHO/FAO Guidelines on Food Fortification with Micronutrients and CODEX CAC/GL 2-1987.
- For affordable nutrition, criteria for (milk) protein and calcium are set, based on protein quality and serving size.
- If ready to consume product is a drink: check if product fulfills criteria to secure (X and Y) of milk (based) product. If not it should be classified as Beverages.
- Amount of milk protein and calcium varies and criteria are set as ≥ 50% milk part expressed as ≥ 50% milk protein and calcium naturally present in the milk of the country or region.
- Amount of milk protein and calcium depends on the type of cheese.
- Criteria for vitamin A and D are set per product based on the amount naturally present in butter (800 mcg vit A/100g and 0.3 mcg vit D/100g) and the % butter in the product.
- Criteria exclusively applicable for spoonable products. For drinkable breakfast products, criteria for milk (based) products apply.
- Fibres naturally occurring in the main ingredients.
- Coffee or tea with milk, concentrated milk or milk powder.
- Amount of milk protein and calcium varies and criteria are set as ≥ 15% milk part expressed as ≥ 15% milk protein and calcium naturally present in the milk of the country or region.
- Based on Intentional Choices criteria version 2019.

Protein criteria 'Tailored nutrition' and 'Daily nutrition' (referring to 'X' in GNS table)	Milk		Milk based	Diluted in coffee or tea	Dairy based breakfast
	g/100 g				g/serve
	100%	70%	50%	15%	70%
NL	3,50	2,45	1,75	0,52	4,90 g/serve
EU other ¹ MEA ²	3,30	2,30	1,65	0,49	4,60 g/serve
PK	3,10	2,15	1,55	0,46	4,30 g/serve
Asia	2,90	2,00	1,45	0,43	4,00 g/serve

1: BE, GE, HU, RO, GR, RU, UK


2: Middle East and Africa

Calcium criteria 'Tailored nutrition' and 'Daily nutrition' (referring to 'Y' in GNS table)	Milk		Milk based	Diluted in coffee or tea
	mg/100 g			
	100%	70%	50%	15%
NL	120,0	84,0	60,0	17,5
EU other ¹ MEA ²	113,0	79,0	56,5	16,5
PK	106,0	74,0	53,0	15,5
Asia	99,0	69,0	49,5	14,5

1: BE, GE, HU, RO, GR, RU, UK

2: Middle East and Africa

Cheese protein and calcium criteria - per type	Protein criteria (referring to 'S' in GNS table)	Calcium criteria (referring to 'T' in GNS table)
	g/100 g	
	g/100 g	mg/100 g
Cow's milk cheese	20,0	700,0
Goat cheese	20,0	700,0
Spreadable and fresh cheese	10,0	300,0

AFFORDABLE NUTRITION CRITERIA FOR TOTAL (MILK) PROTEIN (referring to 'Z' in GNS table) AND CALCIUM (referring to 'Q' in GNS table)						
		Total (Milk) Protein			Calcium	
		For total (milk) protein choose one of the options			For Calcium choose one of the options	
Classification	Positioning	Option 1	Option 2	Option 3	Option 1	Option 2
Milk products	Affordable Nutrition	Milk protein ≥ 4 gram/serve	Total Protein ≥ 4 gram/serve, of which Milk protein ≥ 1.2 gram/serve and PDCAAS of all protein ≥ 70%	Milk protein ≥ 2.9 gram per 100g RTC in case serving size is ≤ 100 g	Ca ^{a,b} ≥ 138 mg/serve	Ca ^{a,b} ≥ 99 mg per 100 g RTC in case serving size is ≤ 100 g
Milk based products	Affordable Nutrition	Milk protein ≥ 2.9 gram/serve	Total Protein ≥ 2.9 gram/serve, of which Milk protein ≥ 0.87 gram/serve and PDCAAS of all protein ≥ 70%	not applicable	Ca ^{a,b} ≥ 99 mg/serve	not applicable
Dairy based breakfast (spoonable)	Affordable Nutrition	Total Protein ≥ 12 gram/serve, of which Milk protein ≥ 4 gram/serve	Total Protein ≥ 12 gram/serve, of which Milk protein ≥ 1.2 gram/serve and PDCAAS of all protein ≥ 70%	not applicable	If Ca is ≥ 300 mg per serve it complies to 30% NRV per serve of Codex CAC/GL 2-1985. Four other micro-nutrients as specified are required.	If Ca is < 300 mg per serve it does NOT comply to 30% NRV per serve of Codex CAC/GL 2-1985. Five other micro-nutrients as specified are required.

^a For milk (based) products: If Ca is ≥ 150 mg per serve it complies to 15% NRV per serve of Codex CAC/GL 2-1985.

^b For dairy based breakfast: If Ca is ≥ 300 mg per serve it complies to 30% NRV per serve of Codex CAC/GL 2-1985.