SCHEDULE 2 Regulations 9, 11 and 14(e)

ESSENTIAL COMPOSITION OF FOLLOW–ON FORMULAE WHEN RECONSTITUTED AS INSTRUCTED BY THE MANUFACTURER
(All values refer to the product ready for use)

Energy

1.

Minimum	*Maximum*
250 kJ/100 ml	335 kJ/100 ml
(60 kcal/100 ml)	(80 kcal/100 ml)

Proteins

2. (Protein content–nitrogen content × 6.38) for cows' milk proteins.

(Protein content–nitrogen content × 6.25) for soya protein isolates.

Minimum	*Maximum*
0.5 g/100 kJ	1 g/100 kJ
(2.25 g/100 kcal)	(4.5 g/100 kcal)

The chemical index of the proteins present shall be at least equal to 80% of that of the reference protein (casein as defined in Schedule 6).
The "chemical index" shall mean the lowest of the ratios between the quantity of each essential amino acid of the test protein and the quantity of each corresponding amino acid of the reference protein.
For follow-on formulae manufactured from soya proteins, alone or in a mixture with cows' milk proteins, only protein isolates from soya may be used.
Amino acids may be added to follow-on formulae for the purpose of improving the nutritional value of the proteins, in the proportions necessary for that purpose.

Lipids

3.

Minimum	*Maximum*
0.8 g/100 kJ	1.5 g/100 kJ
(3.3 g/100 kcal)	(6.5 g/100 kcal)

(3.1) The use of the following substances is prohibited:

— sesame seed oil;

— cotton seed oil;

— fats containing more than 8% trans isomers of fatty acids.

(3.2) Lauric acid

Minimum	*Maximum*
—	15% of the total fat content

(3.3) Myristic acid

Minimum	*Maximum*
—	15% of the total fat content

(3.4) Linoleic acid (in the form of glycerides=linoleates)

Minimum	*Maximum*
70 mg/100 kJ (300 mg/100 kcal): this limit applies only to follow-on formulae containing vegetable oils	—

Carbohydrates

4.

Minimum	*Maximum*
1.7 g/100 kJ	3.4 g/100 kJ
(7 g/100 kcal)	(14 g/100 kcal)

(4.1) The use of ingredients containing gluten is prohibited.

(4.2) Lactose

Minimum	*Maximum*
0.45 g/100 kJ	—
(1.8 g/100 kcal)	—
This provision does not apply to follow-on formulae in which soya protein isolates represent more than 50% of the total protein content.	

(4.3) Sucrose, fructose, honey

Minimum	*Maximum*
—	separately or as a whole: 20% of the total carbohydrate content

Mineral substances

5

		per 100 kJ		per 100 kcal	
		Minimum	*Maximum*	*Minimum*	*Maximum*
Iron	(mg)	0.25	0.5	1	2
Iodine	(µg)	1.2	—	5	—

(5.2) Zinc

(5.2.1) Follow–on formulae manufactured entirely from cows' milk proteins

Minimum	*Maximum*
0.12 mg/100 kJ	—
(0.5mg/100 kcal)	—

(5.2.2) Follow–on formulae containing soya protein isolates, alone or mixed with cows' milk proteins

Minimum	*Maximum*
0.18 mg/100 kJ	—
(0.75mg/100 kcal)	—

(5.3) Other mineral substances:

The concentrations are at least equal to those normally found in cows' milk, reduced, where appropriate, in the same ratio as the protein concentration of the follow-on formulae to that of cows' milk. The typical composition of cows' milk is given, for guidance, in Schedule 7.

(5.4) The calcium/phosphorus ratio shall not exceed 2.0.

Vitamins

6.

		per 100 kJ		per 100 kcal	
		Minimum	*Maximum*	*Minimum*	*Maximum*
Vitamin A	(µg–RE)(**1**)	14	43	60	180
Vitamin D	(µg)(**2**)	0.25	0.75	1	3
Vitamin C	(mg)	1.9	—	8	—
Vitamin E	(mg*–TE)(**3**)	0.5/g of polyunsaturated fatty acids expressed as linoleic acid but in no case less than 0.1 mg per 100 available kJ	—	0.5/g of polyunsaturated fatty acids expressed as linoleic acid but in no case less than 0.5 mg per 100 available kcal	—

(**1**) RE=all trans retinol equivalent.
(**2**) In the form of cholecalciferol, of which 10 µg=400 i.u. of vitamin D.
(**3**) *–TE=d–*–tocopherol equivalent.