

ANNEX

PART A

General provisions for feed for particular nutritional purposes

1. Where there is more than one group of essential nutritional characteristics indicated in column 2 of Part B, denoted by ‘and/or’, for the same particular nutritional purpose, the manufacturer has the option to use either or both groups of essential characteristics, in order to achieve the particular nutritional purpose defined in column 1 of Part B. For each option the corresponding labelling declarations are given in column 4 of Part B.
2. Where an essential nutritional characteristic mentioned in column 2 of Part B is quantitatively indicated, the provisions of Article 17(2) of Regulation (EC) No 767/2009 and the permitted tolerances as established in Annex IV to that Regulation shall apply. If that Annex does not establish a tolerance for the respective labelling particular, a technical deviation of +/- 15 % shall be permitted.
3. Where a feed additive is mentioned in column 2 or column 4 of Part B, the authorisation provisions for feed additive(s) in accordance with Regulation (EC) No 1831/2003 of the European Parliament and of the Council are applicable and their use shall comply with the specified essential nutritional characteristic.
4. Where the declaration of a substance, also authorised as a feed additive, is required in column 4 of Part B and is accompanied by the expression ‘total’, the total content of the substance shall be labelled under the heading “analytical constituents”.
5. The declarations to be given in accordance with column 4 of Part B concerning feed materials and feed additives shall be quantitative, except if the labelling declarations refer to, without prejudice to Article 17(2) of Regulation (EC) No 767/2009, as “source”.
6. The recommended period of use indicated in column 5 of Part B indicates a range within which the nutritional purpose should normally be achieved. Manufacturers can refer to more precise periods of use, within the fixed limits.
7. Where a feed intended for particular nutritional purposes is intended to meet more than one particular nutritional purpose, it shall comply with each respective entry in Part B.
8. In the case of complementary feed intended for particular nutritional purposes, guidance on the balance of the daily ration must be provided in the instructions for proper use.
9. When a feed intended for particular nutritional purposes is with an appropriate mode of use intended for individual oral administration via a bolus, this shall be established in the column "other provisions" of the respective feed. Such feed shall exclusively contain, including a potential coating, feed materials and feed additives, unless detailed otherwise in the respective entry. It is recommended that feed intended for individual oral administration is administered by a veterinarian or any other competent person.
10. When a feed intended for particular nutritional purposes is placed on the market in the form of a bolus, being a feed material or complementary feed intended for individual oral administration with retarding release of the compounds, the labelling of such feed shall, if applicable, mention for each feed additive for which a maximum content in complete feed is fixed the maximum period of continuous release of the bolus and the daily release rate. The feed business operator which is placing a bolus on the market shall have the proof that the daily available feed additive level in the digestive tract will not exceed, if applicable, the maximum content of the additive established per kg complete feed during the whole feeding period (retarding release effect). Such proof should be based on a peer reviewed methodology or in-house analysis.
11. In case of intended uses for which in column 2 a concentration of certain feed additives higher than 100 times the relevant fixed maximum content in complete feed is allowed for complementary feed, the concentration of those feed additives shall not be higher than

500 times the relevant fixed maximum content in complete feed, except if the feed is intended for individual oral administration as referred to in point 10. The incorporation of such complementary feed into the animal`s diet shall ensure that the uptake of the animal complies with the fixed maximum content in complete feed.

PART B

List of intended uses

	Particular nutritional purpose	Essential nutritional characteristics	Species or category of animal	Labelling declarations	Recommended length of time	Other provisions
Number	1	2	3	4	5	6
10	Support of renal function in case of chronic renal insufficiency ⁽¹⁾	High quality proteins and phosphorus ≤ 5 g/kg complete feed with a moisture content of 12 % ⁽²⁾ and crude protein ≤ 220 g/kg complete feed with a moisture content of 12 % ⁽²⁾	Dogs	<ul style="list-style-type: none"> — Protein source(s) — Calcium — Phosphorus — Potassium — Sodium — Essential fatty acids (if added) 	Initially up to 6 months ⁽³⁾	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. Recommended digestibility of proteins: minimum 85 %. 3. Indicate on the labelling: 'It is recommended that advice from a veterinarian be sought before use and before extending the period of use.' 4. Indicate in the instructions for proper use: 'Water should be available at all times.'
		Reduced phosphorus absorption by means of incorporation of Lanthanum carbonate octahydrate	Adult dogs	<ul style="list-style-type: none"> — Protein source(s) — Calcium — Phosphorus — Potassium — Sodium — Essential fatty acids (if added) — Lanthanum carbonate octahydrate 	Initially up to 6 months ⁽³⁾	<ol style="list-style-type: none"> 1. Indicate on the labelling: 'It is recommended that advice from a veterinarian be sought before use and before extending the period of use.' 2. Indicate in the instructions for proper use: 'Water should be available at all times.'
		High quality proteins and phosphorus $\leq 6,5$ g / kg complete feed with a moisture content of 12 % ⁽²⁾ and crude protein ≤ 320 g/kg complete feed with a moisture content	Cats	<ul style="list-style-type: none"> — Protein source(s) — Calcium — Phosphorus — Potassium — Sodium 	Initially up to 6 months ⁽³⁾	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. Recommended digestibility of proteins: minimum 85 %. 3. Indicate on the labelling: 'It is recommended that advice

		of 12 % ⁽²⁾		— Essential fatty acids (if added)		from a veterinarian be sought before use and before extending the period of use.’ 4. Indicate in the instructions for proper use: ‘Water should be available at all times.’
		Reduced phosphorus absorption by means of incorporation of Lanthanum carbonate octahydrate	Adult cats	— Protein source(s) — Calcium — Phosphorus — Potassium — Sodium — Essential fatty acids (if added) — Lanthanum carbonate octahydrate	Initially up to 6 months ⁽³⁾	1. Indicate on the labelling: ‘It is recommended that advice from a veterinarian be sought before use and before extending the period of use.’ 2. Indicate in the instructions for proper use: ‘Water should be available at all times.’
11	Reduction of oxalate stones formation	Low level of calcium, low level of vitamin D, and urine alkalisising properties	Dogs and cats	— Phosphorus — Calcium — Sodium — Magnesium — Potassium — Chlorides — Sulphur — Total vitamin D — Hydroxyproline — Urine alkalisising substances	Up to 6 months	Indicate on the labelling: ‘It is recommended that a veterinarian's opinion be sought before use.’
12	Regulation of glucose supply (Diabetes mellitus)	Total sugars (mono- and disaccharides) ≤ 60 g/kg complete feed with a moisture of 12% ⁽²⁾	Dogs and cats	— Carbohydrate source(s) — Treatment of carbohydrates, if appropriate — Starch — Total sugars — Fructose (if added)	Initially up to 6 months	1. The feed shall be placed on the market as complete feed. 2. Indicate on the labelling: - "Low level of mono- and disaccharides" - “It is recommended that a veterinarian’s opinion be sought before use and before

				<p>—essential fatty acids (if added)</p> <p>— Source(s) of short and medium chain fatty acids (if added)</p>		extending the period of use”.
13	Reduction of ingredient and nutrient intolerances ⁽⁴⁾	<p>Selected and limited number of protein source(s)</p> <p>And/or hydrolysed protein source(s)</p> <p>And/or selected carbohydrate source(s)</p>	Dogs and cats	<p>- Protein sources including treatment, if appropriate (if added).</p> <p>- Carbohydrate source(s) including treatment, if appropriate (if added).</p> <p>- Essential fatty acids (if added)</p>	3 to 8 weeks: if signs of intolerance disappear this feed can be used initially up to one year.	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. It is recommended to limit the number of main protein sources to 3. 3. To indicate on the labelling: <ul style="list-style-type: none"> - Appropriate combination of the essential nutritional characteristics, as applicable - ‘It is recommended that a veterinarian's opinion be sought before use and before extending the period of use’
14	Reduction of cystine stones formation	<p>Urine alkalinising properties and crude protein \leq 160 g/kg complete feed with a moisture content of 12%⁽²⁾</p> <p>Or</p> <p>Proteins selected for a limited cystine and cysteine content (e.g. casein, pea protein, soy protein) and crude protein \leq 220 g/kg complete feed with a moisture content of 12%⁽²⁾</p>	Dogs	<p>- Total sulphur amino acids</p> <p>- Protein sources</p> <p>- Sodium</p> <p>- Potassium</p> <p>- Chlorides</p> <p>- Urine alkalinizing substances (if added)</p>	Initially up to 6 month	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. Indicate in the instructions for proper use: <ul style="list-style-type: none"> “Water should be available at all times” 3. Indicate on the labelling: <ul style="list-style-type: none"> - "Urine alkalinising properties and low level of proteins" or "Low level of selected proteins", as applicable. - “It is recommended that a veterinarian’s opinion be sought before use or before extending the period of use” 4. For consideration of the veterinarian or nutritionist:

						Alkalinising properties means that the diet should be formulated to target a urinary pH ≥ 7 .
15	Nutritional restoration, convalescence ⁽⁵⁾	Highly digestible ingredients with energy density ≥ 3520 kcal and crude protein ≥ 250 g per kg of complete feed with a moisture level 12% ⁽²⁾	Dogs	— Highly digestible ingredient sources including their treatment, if appropriate — Energy value	Until restoration is achieved	<ol style="list-style-type: none"> 1. Recommended apparent digestibility of Dry Matter $\geq 80\%$ or of Organic Matter $\geq 85\%$. 2. In the case of feed specially presented to be given via tubing, indicate on the package, container or label: 'Administration under veterinary supervision.' 3. The labelling may indicate the specific circumstance(s) the dietetic feed is intended for. 4. Indicate on the labelling: "High energy density, high concentrations of essential nutrients and highly digestible ingredients"
		Highly digestible ingredients with energy density ≥ 3520 kcal and crude protein ≥ 270 g per kg of complete feed with a moisture level 12% ⁽²⁾	Cats			
16	Reduction of urate stones formation	- Crude protein ≤ 130 g / kg complete feed with a moisture level of 12% ⁽²⁾ Or - Crude protein ≤ 220 g / kg complete feed with a moisture level of 12% ⁽²⁾ and selected protein sources	Dogs	Protein source(s)	Up to 6 months, but lifetime use in case of irreversible disturbance of uric acid metabolism	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. Protein quality and level of purines should be taken into account when selecting the protein source. Examples of selected protein sources of high quality with low level of purines include eggs, casein, soy proteins, and maize gluten. 3. Indicate in the instructions for proper use: "Water should be available at all times".

		Crude protein ≤ 317 g / kg complete feed with a moisture content of 12% ⁽²⁾	Cats			<p>4. Indicate on the labelling:</p> <ul style="list-style-type: none"> - "It is recommended that a veterinarian's opinion be sought before use". - "Low level of protein" or "Restricted level of protein and selected protein sources", as appropriate.
						<p>1. The feed shall be placed on the market as complete feed.</p> <p>2. Protein quality and level of purines should be taken into account when selecting the protein source. Examples of selected protein sources of high quality with low level of purines include eggs, casein, soy proteins, and maize gluten.</p> <p>3. Indicate on the labelling:</p> <ul style="list-style-type: none"> • "It is recommended that a veterinarian's opinion be sought before use" • "Restricted level of protein" <p>4. Indicate in the instructions for proper use: "Water should be available at all times".</p>
17	Dissolution of struvite stones ⁽⁶⁾	Complete feed with urine undersaturating ⁽⁷⁾ properties for struvite And/or Urine acidifying properties (compliance criteria: urine pH ≤ 6.5) ⁽⁸⁾	Dogs and cats	<ul style="list-style-type: none"> - Phosphorus - Calcium - Sodium - Magnesium - Potassium - Chloride - Sulfur - Urine acidifying 	5 to 12 weeks	<p>1. The feed shall be placed on the market as complete feed.</p> <p>2. Indicate on the labelling:</p> <ul style="list-style-type: none"> - "It is recommended that advice from a veterinarian be sought before use and before extending the period of use." - "Urine undersaturating

				substances, if appropriate		<p>properties for struvite and/or Urine acidifying properties”</p> <p>3. Indicate in the instructions for proper use: “Water should be available at all times.”</p> <p>4. Declaration of conformity supporting undersaturating and/or acidifying properties of the diet shall be made available to the relevant competent authorities upon request.</p>
18	Reduction of struvite stone recurrence ⁽⁶⁾	<p>Complete feed with urine undersaturating⁽⁷⁾ or metastabilising properties⁽⁹⁾ for struvite</p> <p>And/or</p> <p>Urine acidifying properties (compliance criteria: urine pH ≤ 6.5)⁽⁸⁾</p>	Dogs and cats	<p>- Phosphorus</p> <p>- Calcium</p> <p>- Sodium</p> <p>- Magnesium</p> <p>- Potassium</p> <p>- Chloride</p> <p>- Sulfur</p> <p>- urine acidifying substances, if appropriate</p>	Initially up to 6 month	<p>1. The feed shall be placed on the market as complete feed.</p> <p>2. Indicate on the labelling:</p> <ul style="list-style-type: none"> - “It is recommended that advice from a veterinarian be sought before use and before extending the period of use.” - “Urine undersaturating or metastabilising properties for struvite and/or Urine acidifying properties” <p>3. Indicate in the instructions for proper use: “Water should be available at all times.”</p> <p>4. Declaration of conformity supporting undersaturating or metastabilising and/or acidifying properties of the diet shall be made available to the relevant competent authorities upon request.</p>
19	Compensation for maldigestion ⁽¹⁰⁾	<p>Highly digestible diet:</p> <p>Apparent digestibility of</p> <ul style="list-style-type: none"> - low-fibre feed (crude fibre ≤ 45 g per kg of complete 	Dogs and cats	Highly digestible ingredient sources including their treatment, if appropriate	Initially up to 12 weeks and lifetime in the case of chronic pancreatic	<p>1. The feed shall be placed on the market as complete feed.</p> <p>2. Indicate on the labelling:</p> <ul style="list-style-type: none"> - “Highly digestible feed”

		<p>feed with a moisture level 12 %⁽²⁾):</p> <p>Crude protein ≥ 85 %</p> <p>Crude fat ≥ 90 %</p> <p>Or</p> <p>- fibre-enhanced feed (crude fibre > 45 g per kg of complete feed with a moisture level 12 %⁽²⁾):</p> <p>Crude protein ≥ 80 %</p> <p>Crude fat ≥ 80 %</p>			insufficiency	- "It is recommended that a veterinarian's opinion be sought before use".
20	Reduction of intestinal absorptive disorders	<p>Highly digestible diet:</p> <p>Apparent digestibility of</p> <p>- low-fibre feed (crude fibre ≤ 45 g per kg of complete feed with a moisture level 12 %⁽²⁾):</p> <p>Crude protein ≥ 85 %</p> <p>Crude fat ≥ 90 %</p> <p>Or</p> <p>- fibre-enhanced feed (crude fibre > 44 g per kg of complete feed with a moisture level 12 %⁽²⁾):</p> <p>Crude protein ≥ 80 %</p> <p>Crude fat ≥ 80 %</p> <p>And</p> <p>Sodium ≥ 1.8 g per kg of complete feed with a moisture level 12%⁽²⁾</p> <p>And</p> <p>Potassium ≥ 5 g per kg of complete feed with a moisture</p>	Dogs and cats	<p>- Highly digestible ingredient sources including their treatment, if appropriate</p> <p>- Sodium</p> <p>- Potassium</p>	Up to 12 weeks	<p>1. Indicate on the labelling:</p> <p>- "Highly digestible feed with increased sodium and potassium"</p> <p>- "It is recommended that a veterinarian's opinion be sought before use".</p>

		level 12% ⁽²⁾				
21	Support of lipid metabolism in the case of hyperlipidaemia	Crude fat ⁽¹¹⁾ ≤ 110 g / kg complete feed with a moisture content of 12% ⁽¹²⁾	Dogs and cats	- Fat content	Initially up to 2 months	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. Indicate on the labelling: <ul style="list-style-type: none"> - “It is recommended that a veterinarian’s opinion be sought before use or before extending the period of use” - “Low level of fat”
22	Support of liver function in the case of chronic liver insufficiency	Moderate level of protein: Crude protein ≤ 280 g / kg complete feed with a moisture content of 12% ⁽²⁾ for dogs Crude protein ≤ 370 g / kg complete feed with a moisture content of 12% ⁽²⁾ for cats And Selected protein sources And Recommended dietary protein digestibility ≥ 85%	Dogs and cats	- Protein source(s) - Copper (total) - Sodium	Initially up to 4 months	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. Examples of selected protein sources based on high digestibility: dairy proteins (whey casein, milk, cottage cheese), other animal based proteins (egg, poultry) and vegetable proteins (soy). 3. Indicate in the instructions for proper use: “Water should be available at all times”. 4. Indicate on the labelling: <ul style="list-style-type: none"> — “Moderate level of protein, selected and highly digestible” — “It is recommended that a veterinarian’s opinion be sought before use”.
23	Support of heart function in the case of chronic cardiac insufficiency	Restricted level of sodium: Sodium ≤ 2,5 g / kg complete feed with a moisture content of 12 % ⁽²⁾	Dogs and cats	— Magnesium — Potassium — Sodium	Initially up to 6 months	— The feed shall be placed on the market as complete feed. — Indicate on the labelling: ‘It is recommended that advice from a veterinarian be sought before use and before extending the period of use.’

24	Support the Reduction of excessive body weight	Metabolizable Energy < 3060 kcal /kg complete feed with moisture content of 12% ⁽¹³⁾ Or Metabolizable Energy < 560 kcal /kg complete feed with moisture content of 85% ⁽¹³⁾	Dogs	Energy value	Until target body weight is achieved and after if required to maintain target bodyweight	<ol style="list-style-type: none"> 1. The feed shall be placed on the market as complete feed. 2. To ensure that minimum requirements are met, the nutrient levels of a diet for reduction of excessive bodyweight should be increased accordingly to compensate for the restricted daily energy intake⁽¹⁴⁾ 3. Indicate on the labelling: <ul style="list-style-type: none"> - “It is recommended that a veterinarian’s opinion be sought before use”. - “For cats, a transition period when starting the diet is advised.” - “For an efficient weight loss or ideal weight maintenance, the recommended daily energy intake should not exceeded.”
		Metabolizable Energy < 3190 kcal per kg complete feed with moisture content of 12% ⁽¹³⁾ Or Metabolizable Energy < 580 kcal per kg complete feed with moisture content of 85% ⁽¹³⁾	Cats			
25	Support of skin function in the case of dermatosis and excessive loss of hair	Linoleic acid (LA) ≥ 12 g per kg of complete feed with a moisture content of 12% ⁽²⁾ and sum of eicosapentaenoic (EPA) acid and docosahexaenoic acid (DHA) ≥ 3 g per kg of complete feed with a moisture content of 12% ⁽²⁾	Dogs and cats	<ul style="list-style-type: none"> - Linoleic acid (LA) - sum of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) 	Initially up to 2 months	Indicate on the labelling: <ul style="list-style-type: none"> • ‘It is recommended that a veterinarian's opinion be sought before use.’ • “High level of linoleic acid (LA) and of sum of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA)”
		Linoleic acid (LA) ≥ 18.5 g per kg of complete feed with a moisture content of and sum of eicosapentaenoic (EPA) acid and docosahexaenoic acid (DHA) ≥ 0.4 g per kg of complete feed with a moisture content of 12% ⁽²⁾	Dogs			

		Linoleic acid (LA) \geq 18.5 g/kg of complete feed with a moisture content of and sum of eicosapentaenoic (EPA) acid and docosahexaenoic acid (DHA) \geq 0.1 g per kg of complete feed with a moisture content of 12% ⁽²⁾	Cats			
26	Support of the metabolism of joints in the case of osteoarthritis	Total omega-3 fatty acids \geq 30 g / kg complete feed with a moisture content of 12 % ⁽²⁾ and eicosapentaenoic acid (EPA) \geq 3,0 g per kg complete feed with a moisture content of 12 % ⁽²⁾ Increased levels of vitamin E	Dogs	— Total omega-3 fatty acids — Total EPA — Total vitamin E	Initially up to 3 months	1. Indicate on the labelling: 'It is recommended that advice from a veterinarian be sought before use and before extending the period of use.'
		Total omega-3 fatty acids \geq 10,5 g per kg complete feed with a moisture content of 12 % ⁽²⁾ and docosahexaenoic acid (DHA) \geq 2,5 g per kg complete feed with a moisture content of 12 % ⁽²⁾ Increased levels of methionine, manganese and vitamin E.	Cats	— Total omega-3 fatty acids — Total DHA — Total methionine — Total manganese — Total vitamin E		
27	Reduction of copper in the liver	Restricted level of copper: copper \leq 9 mg per kg complete feed with a moisture content of 12 % ⁽²⁾	Dogs	Total copper	Initially up to 6 months	1. The feed shall be placed on the market as complete feed. 2. Indicate on the labelling: 'It is recommended that advice from a veterinarian be sought before use and before extending the period of use.'
28	Reduction of iodine levels in feed in case of hyperthyroidism	Restricted level of iodine: iodine \leq 0,26 mg per kg complete feed with a moisture content of 12 % ⁽²⁾	Cats	Total iodine	Initially up to 3 months	1. The feed shall be placed on the market as complete feed. 2. Indicate on the labelling: 'It is recommended that advice from a veterinarian be

						sought before use and before extending the period of use.'
29	Support in stressful situations, which will lead to the reduction of associated behaviour	1-3 g trypsin-hydrolysed bovine casein per kg complete feed with a moisture content of 12% ⁽²⁾	Dogs	Trypsin-hydrolysed bovine casein	Initially up to 2 months	1.The feed shall be placed on the market as complete feed. 2.Indicate on the labelling: 'It is recommended that advice from a veterinarian be sought before use and before extending the period of use.'
50	Support the preparation for oestrus and reproduction	<p>— High level of selenium and a minimum content of vitamin E per kg complete feed with a moisture content of 12 % for pigs of 50 mg, rabbits of 35 mg, for dogs, cats, mink of 88 mg; a minimum content of vitamin E per animal and day for ovines of 100 mg, cattle of 300 mg, horses of 1 100 mg</p> <p>Or</p> <p>— High level(s) of vitamins A and/or vitamin D and/or a minimum content of beta-carotene of 300 mg per animal and day.</p> <p>The complementary feed may contain selenium, vitamin A and D in a concentration higher than 100 times the relevant fixed maximum content in complete feed.</p>	Mammals	Names and total amounts of each added trace element and vitamin	<p>— Cows: 2 weeks before the end of gestation until the next gestation is confirmed.</p> <p>— Sows: 7 days before until 3 days after parturition and 7 days before until 3 days mating.</p> <p>— Other female mammals: from the last part of gestation until the next gestation is confirmed.</p> <p>— Males: during periods of reproductive activity.</p>	<p>— Application in the form of bolus is allowed. A bolus may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density.</p> <p>— The instructions of use for the feed shall ensure that the respective legal maximum contents for complete feed are respected.</p> <p>— Indicate on the labelling of the feed: 'Guidance on the situations in which the use of the feed is appropriate.'</p>
		<p>— High level(s) of vitamin A and/or vitamin D</p> <p>Or</p> <p>— High level(s) of selenium and/or zinc and/or a minimum content of vitamin E of 40 mg/kg complete feed with a moisture content of 12 %.</p>	Birds	Names and total amounts of each added trace element and vitamin	<p>— For females: during oestrus</p> <p>— For males: during periods of reproductive activity</p>	

		The complementary feed may contain selenium, zinc, vitamin A and D in a concentration higher than 100 times the relevant fixed maximum content in complete feed.				
51	Support the regeneration of hooves, trotters and skin	High level of zinc. The complementary feed may contain zinc in a concentration higher than 100 times the relevant fixed maximum content in complete feed.	Horses, ruminants and pigs	Total amount of — zinc — methionine — biotin (if added)	Up to 8 weeks	<ul style="list-style-type: none"> — The instructions of use for the feed shall ensure that the legal maximum content of zinc for complete feed are respected. — Application in the form of bolus is allowed for ruminants and pigs. A bolus may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density.

52	Support for nutritional imbalances in dietary transition	<p>Minimum supply via the dietetic feed of:</p> <p>— Selenium: 0,1 mg/kg complete feed with a moisture content of 12%</p> <p>and/or</p> <p>— Zinc: 15 mg/kg complete feed with a moisture content of 12%</p> <p>and/or</p> <p>— Copper: 2 mg/kg complete feed with a moisture content of 12% for sheep and 5 mg/kg complete feed with a moisture content of 12% for other species</p> <p>and/or</p> <p>— Vitamin A: 2000 UI/kg complete feed with a moisture content of 12%</p> <p>and/or</p> <p>— Vitamin D: 400 UI/kg complete feed with a moisture content of 12%</p> <p>and/or</p> <p>— vitamin E: 35 mg/kg complete feed with a moisture content of 12% for poultry, 10 mg/kg complete feed with a moisture content of 12% for ruminants, 40 mg/kg complete feed with a moisture content of 12% for rabbits and 20 mg/kg complete feed for pigs with a moisture content of 12%</p> <p>The complementary feed may</p>	<p>Ruminants</p> <p>Pigs</p> <p>Rabbits</p> <p>Poultry</p>	Name and added amount of the nutritional additives, if appropriate	2 to 15 days	<p>— Application in the form of bolus is allowed for ruminants and pigs. A bolus may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density.</p> <p>- The instructions of use for the feed shall ensure that the respective legal maximum contents for complete feed are respected.</p> <p>- Indicate on the labelling of the feed guidance on the situations in which the use of the feed is appropriate.’</p>
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		contain selenium, zinc, copper, vitamin A and vitamin D in a concentration higher than 100 times the relevant fixed maximum content in complete feed.				
53	Support weaning	<p>Minimum supply via the dietetic feed of:</p> <p>— Selenium: 0,1 mg/kg complete feed with a moisture content of 12%</p> <p>And/or</p> <p>— Zinc: 15 mg/kg complete feed with a moisture content of 12%</p> <p>And/or</p> <p>— Copper: 2 mg/kg complete feed with a moisture content of 12% for sheep and 5 mg/kg complete feed with a moisture content of 12% for other species</p> <p>And/or</p> <p>— Iodine: 0,2 mg/kg complete feed with a moisture content of 12%</p> <p>And/or</p> <p>— Manganese: 20 mg/kg complete feed with a moisture content of 12%</p> <p>And/or</p> <p>— Vitamin A: 1500 UI/kg complete feed with a moisture content of 12%</p> <p>And/or</p> <p>— Vitamin D: 400 UI/kg complete feed with a moisture content of 12%</p>	Mammals	Name and added amount of the nutritional additives, if appropriate	Up to 4 weeks around weaning	<ul style="list-style-type: none"> - The instructions of use for the feed shall ensure that the respective legal maximum contents for complete feed are respected. - Indicate on the labelling of the feed guidance on the situations in which the use of the feed is appropriate.'

		<p>And/or</p> <p>— Vitamin E: 100 mg/kg complete feed with a moisture content of 12% for calves and 50 mg/kg complete feed with a moisture content of 12% for lambs, kids and piglets.</p> <p>The complementary feed may contain selenium, zinc, copper, iodine, manganese, vitamin A and vitamin D in a concentration higher than 100 times the relevant fixed maximum content in complete feed.</p>				
54	Support the regeneration of the skin and appendages	<p>— Minimum supply of zinc compounds via dietetic feed corresponding to 20 mg/kg complete feed with a moisture content of 12%</p> <p>and</p> <p>— high level of copper and/or iodine and/or selenium</p> <p>and/or</p> <p>vitamin B6 and/or vitamin E and/or vitamin A</p> <p>and/or</p> <p>methionine and/or cystine</p> <p>and/or</p> <p>minimum supply of 0,4 mg biotin/kg complete feed with a moisture content of 12% for ruminants.</p> <p>The complementary feed may contain zinc, copper, iodine, selenium and vitamin A in</p>	Mammals Poultry	Name and added amount of the nutritional additives, if appropriate	<p>— Up to 8 weeks</p> <p>— Complementary feed for ruminants containing biotin: Up to 6 months</p>	<ul style="list-style-type: none"> - The instructions of use for the feed shall ensure that the respective legal maximum contents for complete feed are respected. - Indicate on the labelling of the feed guidance on the situations in which the use of the feed is appropriate.’

		a concentration higher than 100 times the relevant fixed maximum content in complete feed.				
55	Stabilisation of water and electrolyte balance to support the physiological digestion	<ul style="list-style-type: none"> —Predominantly electrolytes: sodium, potassium and chlorides —Buffering capacity⁽¹⁹⁾ in case of liquid feed: minimum 60 mmol per litre potion ready prepared for feeding —Easily digestible carbohydrates 	Calves, pigs, lambs, kids, foals, cats and dogs	<ul style="list-style-type: none"> — Sodium — Potassium — Chlorides —Carbohydrate source(s) —Bicarbonates and/or citrates (if added) 	1 to 7 days	<ul style="list-style-type: none"> — Recommended range of electrolytes per litre potion ready prepared for feeding: Sodium: 1,7 g – 3,5 g Potassium: 0,4 g – 2,0 g Chlorides: 1 g – 2,8 g In case of solid feed, the recommended range of electrolytes should be calculated on the basis of a normal daily voluntary intake of water. — Indicate on the labelling: (1) ‘In case of risk of, during periods of, or recovery from digestive disturbance (diarrhoea).’ (2) ‘It is recommended that advice from a veterinarian be sought before use and before extending the period of use.’ — Indicate in the instructions for proper use: (1) The recommended intake of the ready stirred potion and of milk, if appropriate. (2) In case of bicarbonates and/or citrates are above 40 mmol per litre potion ready prepared for feeding of ruminants: ‘Simultaneous feeding of milk should be avoided in animals with abomasum’
56	Reduction of the risk of tetany	High level of magnesium, easily	Ruminants	<ul style="list-style-type: none"> — Starch — Total sugars 	3 to 10 weeks during periods of	<ul style="list-style-type: none"> — Application in the form of bolus is allowed. A bolus

	(hypomagnesaemia)	available carbohydrates, moderate level of protein and low level of potassium		<ul style="list-style-type: none"> — Magnesium — Sodium — Potassium 	fast grass growth	<ul style="list-style-type: none"> may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density. — In the instructions for proper use guidance shall be provided on the balance of the daily ration, with regard to the inclusion of fibre and easily available energy sources. — In the case of feed for ovines indicate on the labelling: ‘Especially for lactating ewes.’
57	Reduction of the risk of acidosis	Low level of easily fermentable carbohydrates and high buffering capacity	Ruminants	<ul style="list-style-type: none"> — Starch — Total sugars 	up to 2 months ⁽¹⁵⁾	<ul style="list-style-type: none"> — Application in the form of bolus is allowed. A bolus may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density. — In the instructions for proper use guidance shall be provided on the balance of the daily ration, with regard to the inclusion of fibre and easily fermentable carbohydrate sources. — In the case of feed for dairy cows indicate on the labelling: ‘Especially for high yielding cows.’ — In the case of feed for ruminants for fattening indicate on the labelling: ‘Especially for intensively fed⁽¹⁶⁾.’
58	Reduction of the risk of urinary calculi	Low level of phosphorus, magnesium, and urine acidifying properties	Ruminants	<ul style="list-style-type: none"> — Calcium — Phosphorus — Sodium — Magnesium 	Up to 6 weeks	<ul style="list-style-type: none"> — Indicate on the labelling: ‘Especially for intensively fed young animals.’ — Indicate in the instructions

				<ul style="list-style-type: none"> — Potassium — Chlorides — Sulphur — Urine acidifying substances 		for proper use: 'Water should be available at all times.'
59	Long-term supply of grazing animals with trace elements and/or vitamins	<p>High level of</p> <ul style="list-style-type: none"> — Trace elements and/or — Vitamins, provitamins and chemically well-defined substances having similar effects. <p>The complementary feed may contain feed additives in a concentration higher than 100 times the relevant fixed maximum content in complete feed.</p>	Ruminants with a functional rumen	<ul style="list-style-type: none"> — Names and total amounts of each added trace element, vitamin, provitamin and chemically well-defined substance having similar effects — Daily release rate for each trace element and/or vitamin if a bolus is used — Maximum period of continuously release of the trace element or vitamin if a bolus is used 	Up to 12 months	<ul style="list-style-type: none"> — Application in the form of bolus is allowed. A bolus may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density. — Indicate on the labelling of the feed: <ul style="list-style-type: none"> — Simultaneous supplementation of additives with a maximum content from other sources to those incorporated in a bolus, if applicable, shall be avoided. — Before using, it is recommended to have advice from a veterinarian or nutritionist concerning: <ol style="list-style-type: none"> (1) the balance of trace elements in the daily ration; (2) the trace elements status of the herd'
60	Reduction of the risk of milk fever and subclinical hypocalcaemia	<p>Low cations/anions ratio</p> <p>For the total ration:</p> <ul style="list-style-type: none"> - Minimum acidification via feed for particular nutritional purpose: 100 mEq/kg DM - Objective: $0 < \text{DCAD}^{(17)} \text{ (mEq/kg DM)} < 100$ <p>Or</p>	Dairy cows	<ul style="list-style-type: none"> — Calcium — Phosphorus — Magnesium — Sodium — Potassium — Chlorides — Sulphur 	From 3 weeks before calving until calving	Indicate in the instructions for proper use: 'Stop feeding after calving'

		<p>Or</p> <p>Waxy-leaf nightshade meal allowing a daily release of 38-46 µg dihydroxycholecalciferol-glycoside per day</p>		<ul style="list-style-type: none"> — Waxy-leaf nightshade meal — Content of dihydroxycholecalciferol-glycoside — Crude fibre — Magnesium — Crude fat — Starch — Total amount of Vitamin D₃ 	<p>From two days before calving or first signs of parturition to ten days subsequent to parturition</p>	<p>be sought before use’.</p> <ul style="list-style-type: none"> — Application in the form of bolus is allowed. A bolus may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density. — Indicate on the labelling: ‘It is recommended that a nutritional expert’s opinion be sought before use’.
61	Reduction of the risk of ketosis ⁽¹⁸⁾	<ul style="list-style-type: none"> — Minimum supply of Propan 1,2-diol or propylene-glycol: 250 g/day for dairy cows 50 g/day for ewes or goats <p>or</p> <ul style="list-style-type: none"> — minimum supply of Propionates (calcium or sodium salts) : 110 g/day for dairy cows 22 g/day for ewes or goats <p>or</p> <ul style="list-style-type: none"> — Minimum combined supply of Propan 1,2-diol and Propionates (sodium or calcium salts), as long as: <ul style="list-style-type: none"> — The combination of propane 1,2-diol and propionates for dairy cows is such that propionates + 0.44 x 	Dairy cows, ewes and goats	<p>Propan-1,2-diol, if added (as a glucose precursor)</p> <p>Propionates in the form of sodium or calcium salts, if added</p>	<p>Between three weeks before and six weeks after calving for dairy cows</p> <p>Between six weeks before and three weeks after parturition for ewes and goats</p>	<ul style="list-style-type: none"> — Application in the form of bolus is allowed. A bolus may contain up to 20 % iron in an inert, non-bioavailable form, in order to increase its density. — Indicate on the labelling: “During the supply of calcium or sodium propionates at the end of gestation, an evaluation of the mineral equilibrium in association with the risk of hypocalcemia after parturition is necessary”.

		<p>propane 1,2 diol > 110 g/day</p> <p>— The combination of propane 1,2-diol and propionates for ewes or goats is such that propionates + 0.44 x propane 1,2 diol > 22 g/day</p>				
62	Reduction of stress reactions	<p>— High level magnesium and/or</p> <p>— Highly digestible ingredients</p>	Pigs	<p>— Magnesium</p> <p>— Highly digestible ingredients including their treatment if appropriate</p> <p>— Content of n-3 fatty acids (if added)</p>	1 to 7 days	Guidance shall be provided on the situation in which the use of this feed is appropriate.
63	Reduction of the risk of constipation	Ingredients stimulating intestinal passage	Sows	Ingredients stimulating intestinal passage	10 to 14 days before and 10 to 14 days after farrowing	
64	Compensation for insufficient iron availability after birth	<p>High level of iron compounds authorised under the functional group "compounds of trace elements" of the category "nutritional additives" as referred to in Annex I to Regulation (EC) No 1831/2003.</p> <p>The complementary feed may contain iron in a concentration higher than 100 times the relevant fixed maximum content in complete feed.</p>	Suckling piglets and calves	Iron (total)	After birth up to 3 weeks	The instructions for proper use shall ensure that the legal maximum contents of iron for complete feed are respected.
65	Compensation for malabsorption	Low level of saturated fatty acids and high level of fat soluble vitamins	Poultry excluding geese and pigeons	<p>— Percentage of saturated fatty acids in relation to total fatty acids</p> <p>— Total vitamin A</p>	During the first 2 weeks after hatching	

				<ul style="list-style-type: none"> — Total vitamin D — Total vitamin E — Total vitamin K 		
66	Reduction of the risk of fatty liver syndrome	Low energy and high proportion of metabolisable energy from lipids with high level of polyunsaturated fatty acids	Laying hens	<ul style="list-style-type: none"> — Energy value (calculated according to EC method) — Percentage of metabolisable energy from lipids — Content of poly-unsaturated fatty acids 	Up to 12 weeks	
67	Support the preparation for and recovery from sport effort	High level of selenium and a minimum content of 50 mg vitamin E per kg complete feed with moisture content of 12 %. The complementary feed may contain compounds of selenium in a concentration higher than 100 times the relevant fixed maximum content in complete feed.	Equidae	Total amount of <ul style="list-style-type: none"> — vitamin E — selenium. 	Up to 8 weeks before sport effort – Up to 4 weeks after sport effort	The instructions for proper use for the feed shall ensure that the legal maximum contents of selenium for complete feed are respected.
68	Support of liver function in the case of liver insufficiency	High level of highly digestible energy sources with moderate protein level, not exceeding a praecaecally digestible crude protein/metabolisable energy ratio of 5-7.5 g/MJ and not exceeding 50 g of fat per kg of complete feed with a moisture of 12%. and High level of branched chain amino acids (BCAA) with at least 12 g BCAA per kg of complete feed with a moisture of 12% and an amino acid relation of BCAA to aromatic amino acids (Fischer ratio) above 2.3 and	Equines	<ul style="list-style-type: none"> — Carbohydrate, fat and protein sources. — Treatment of carbohydrate sources, if appropriate — Ratio of praecaecally digestible crude protein in g / metabolisable energy in MJ — Amount of branched chain amino acids — Ratio of branched chain amino acids / aromatic amino acids (Fischer ratio) 	Initially up to six months	<ol style="list-style-type: none"> 1. Guidance should be provided on the manner in which the feed should be fed including many small meals per day. 2. Indicate on the labelling: 'It is recommended that a veterinarian's opinion be sought before use or before extending the period of use.'

		<p>High concentration of Vitamin E with at least 100 mg per kg of complete feed with a moisture of 12%.</p> <p>and</p> <p>High concentration of Vitamin C with at least 1 g per kg of complete feed with a moisture of 12%.</p> <p>and</p> <p>High concentration of Zinc with at least 50 % of the permitted maximum content of complete feed with a moisture of 12%.</p> <p>and</p> <p>High concentration of Selenium with at least 50 % of the permitted maximum content of complete feed with a moisture of 12%.</p> <p>The complementary feed may contain zinc and/or selenium in a concentration higher than 100 times the relevant fixed maximum content.</p>				
68	Support of renal function in the case of chronic renal insufficiency	<p>Complementary feed contributing to at least 10 to 20% of the daily energy supply (approximately 0.05 to 0.1 MJ/kg BW^{0.75} per day).</p> <p>High density of energy with more than 8,8 MJ/kg feed with a moisture content of 88%.</p> <p>Highly digestible and highly palatable sources of starch.</p> <p>Restricted protein level: ≤ 106 g crude protein / kg feed with a moisture content of 88%.</p> <p>Level of sodium: 2 g / 100 kg</p>	Equines	<ul style="list-style-type: none"> — Protein and energy source(s) — Calcium — Phosphorus — Potassium — Magnesium — Sodium — Omega-3 fatty acids, if added 	Initially up to six months. Long term or until resolution of the issue	<p>— Indicate on the labelling:</p> <p>‘It is recommended that a veterinarian's opinion be sought before use or before extending the period of use.</p> <p>The complementary feed should not be used in case of hypernatraemia and hyperchloraemia.</p> <p>The ration should ensure an energy supply of > 0.62 MJ/kg BW^{0.75}/day.</p> <p>The ration should not exceed 50 mg calcium/kg</p>

		BW per day. High level of omega-3 fatty acids: EPA+DHA \geq 0.2 g per kg BW ⁰⁷⁵ per day				DM/day. — Indicate in the instructions for proper use: ‘Water should be available at all times.’
70	Compensation of electrolyte loss in the cases of heavy sweating	Must contain sodium chloride and should contain potassium chloride. The inclusion of other electrolyte salts is optional.	Equines	— Sodium — Chlorides — Potassium — Calcium — Magnesium	One to three days after heavy sweating.	Guidance shall be provided on the situations in which the use of the feed is appropriate. The instructions for proper use must give administration guidelines based on the duration and intensity of exercise performed relevant to the formulation and presentation of the feed Labelling must state ‘Water should be available at all times’ In the case of the administration of electrolytes not mixed with water (e.g. in feed or in syringe format) guidance must be given that Water must be available for at least 20 minutes or preferably for 1 hour post administration. Furthermore guidance must be given to: Monitor subsequent drinking, if insufficient water intake is observed veterinary advice should be sought. Guidance may optionally be given regarding the quantity of water (in litres) to be provided alongside in feed or syringed electrolytes.
71	Support of energy metabolism and of the muscle function in the case of rhabdomyolysis	Starch and sugar not more than 20% of available energy. Crude fat more than 20% of available energy Minimum of 350 IU Vitamin E / kg complete feed with a	Equines	Starch Sugar Crude fat Vitamin E	Initially for a minimum of 3 months	Guidance shall be provided on the situations in which the use of this feed is appropriate. The instructions for proper use shall contain guidance on the balance of the daily ration and

		moisture content of 12%				the appropriate daily intake. Indicate on the labelling: "It is recommended that a veterinarian's opinion be sought before use."
72	Compensation for chronic digestive disorders of large intestine	<ul style="list-style-type: none"> — Starch content to provide < 1 g / kg BW / meal (< 0,5 g / kg BW / meal, if diarrhoea present) — Cereal grains processed via a hydrothermal treatment, such as extrusion, micronisation, expansion or flaking, to improve small intestinal starch digestion — Additional supply of water soluble vitamins and adequate minerals/electrolytes levels — Additional oil if no diarrhoea 	Equines	<ul style="list-style-type: none"> Starch content Crude fat 	Long term or until resolution of the issue	<p>Guidance shall be provided</p> <ul style="list-style-type: none"> — on the precise situations in which the use of the feed is appropriate, in particular whether the product is for use in animals with concurrent diarrhoea or not. — on meal size and forage intake. <p>The instructions for proper use shall refer, depending on the oil content, to the potential gradual use and suggest a monitoring for diarrhoea.</p> <p>Indicate on the labelling the processing used for the cereal grains.</p>
73	Compensation for chronic insufficiency of small intestine function	<ul style="list-style-type: none"> — Highly digestible fibres — High quality protein sources and lysine > 4,3 % of crude protein — Total sugar and starch to provide a maximum of 0,5 g / kg BW / meal — Cereal grains processed via a hydrothermal treatment, such as extrusion, micronisation, expansion or flaking, to improve pre-caecal digestion 	Equines	<ul style="list-style-type: none"> — Highly digestible feed materials including their processing, if appropriate. — Total sugar and starch — Protein sources 	Long term or until resolution of the issue	<ul style="list-style-type: none"> — Guidance shall be provided on <ul style="list-style-type: none"> — the precise situations in which the use of the feed is appropriate — meal size and forage intake. — The instructions for proper use shall refer, depending on the oil content, to the potential gradual use and suggest a monitoring for diarrhoea.

- (1) If appropriate the manufacturer may also recommend use for temporary renal insufficiency.
- (2) based on a diet with a dry matter energy density of 4000 kcal Metabolisable Energy/kg calculated using the equation described in the FEDIAF Nutritional Guidelines (<http://www.fediaf.org/self-regulation/nutrition.html>). The values shall be adapted if the energy density deviates from the 4000 kcal Metabolisable Energy/kg.
- (3) If the feed is recommended for temporary renal insufficiency the recommended period for use shall be two to four weeks.
- (4) In the case of feed for a particular intolerance, reference to the specific intolerance can replace 'ingredient and nutrient'
- (5) For cats a reference to 'Feline hepatic lipidosis' may be added
- (6) For cats, 'feline lower urinary tract disease' or 'feline urological syndrome — FUS' may be added.
- (7) Undersaturating properties: urine associated with crystal and stone dissolution and prevention of crystal precipitation and growth.
- (8) The persons responsible for the labelling of the feed shall deliver a declaration of conformity, which refers to the proof of compliance with the essential nutritional characteristics
- (9) Metastabilising properties: urine associated with prevention of crystal precipitation.
- (10) 'exocrine pancreatic insufficiency' may be added.
- (11) The minimum recommendations according to the FEDIAF Nutritional Guidelines (<http://www.fediaf.org/self-regulation/nutrition.html>) for all essential fatty acids shall be met in the daily ration.
- (12) based on a diet with a dry matter energy density of 3500 kcal Metabolisable Energy/kg calculated using the equation described in the FEDIAF Nutritional Guidelines (<http://www.fediaf.org/self-regulation/nutrition.html>). The values shall be adapted if the energy density deviates from the 3500 kcal Metabolisable Energy/kg.
- (13) Metabolisable Energy/kg calculated using the equation described in the [FEDIAF \(2018\) Nutritional Guidelines for Complete and Complementary Pet Food for Cats and Dogs](#)
- (14) [FEDIAF \(2018\) Nutritional Guidelines for Complete and Complementary Pet Food for Cats and Dogs](#) .
- (15) In the case of feed for dairy cows: 'maximum two months from the start of lactation'.
- (16) Indicate the category of ruminants concerned.
- (17) $DCAD \text{ (mEq/kg DM)} = (\text{Na} + \text{K}) - (\text{Cl} + \text{S})$.
- (18) The term 'ketosis' may be replaced by 'acetonæmia' and the person responsible for the labelling may also recommend the use for ketosis recuperation.
- (19) Calculated by the Strong Ion Difference method (SID-Value): SID is the difference between the sums of concentrations of the strong cations and strong anions; $[\text{SID}] = [\text{mmol Na}^+ /\text{l}] + [\text{mmol K}^+ /\text{l}] + [\text{mmol Ca}^{++} /\text{l}] + [\text{mmol Mg}^{++} /\text{l}] - [\text{mmol Cl}^- /\text{l}] - [\text{mmol Other Strong Anions}/\text{l}]$.