STATUTORY INSTRUMENTS

1988 No. 396

AGRICULTURE

The Feeding Stuffs Regulations 1988

Made - - - -	*3rd March 1988*
Laid before Parliament	*16th March 1988*
Coming into force	
Regulation 16(3) and (4), Paragraph 16 of Schedule 1 and Part II of Schedule 5	*3rd December 1988*
Chapter D of Part I of Schedule 5–	*3rd December 1990*
Remainder–	*6th April 1988*

Arrangement of Regulations

The Minister of Agriculture, Fisheries and Food, the Secretary of State for Scotland and the Secretary of State for Wales, acting jointly, in exercise of the powers conferred by sections 66(1), 68(1), (1A) and (3), 69(1) and (3), 70(1), 73(3), 74(1), 74A and 84 of the Agriculture Act 1970**(a)** and now vested in them**(b)** and of all other powers enabling them in that behalf, after consultation in accordance with section 84(1) of the said Act with such persons or organisations as appear to them to represent the interests concerned, and the Minister of Agriculture, Fisheries and Food and the Secretary of State, being Ministers designated**(c)** for the purposes of section 2(2) of the European Communities Act 1972**(d)** in relation to the common agricultural policy of the European Economic Community, acting jointly, in exercise of the powers conferred on them by the said section 2(2), and of all other powers enabling them in that behalf hereby make the following Regulations:–

Title and commencement

1.—(1) These Regulations may be cited as the Feeding Stuffs Regulations 1988, and shall come into force for the purposes of regulation 16(3) and (4), paragraph 16 of Schedule 1 and Part II of Schedule 5 on 3rd December 1988, for the purposes of Chapter D of Part I of Schedule 5 on 3rd December 1990 and for all other purposes on 6th April 1988.

(2) Regulation 17 shall cease to have effect on 3rd December 1988.

Interpretation

2.—(1) In these Regulations, unless the context otherwise requires–

"The Act" means the Agriculture Act 1970;

"additive" means any substance, or preparation containing any substance, other than a premixture as defined, which, when incorporated into a feeding stuff, is likely to affect its characteristics or livestock production;

(a) 1970 c.40; section 74A was inserted by the European Communities Act 1972, c.68, Schedule 4, paragraph 6, and the Act was amended by the Agriculture Act 1970 Amendment Regulations 1982 (S.I. 1982/980).
(b) In the case of the Secretary of State for Wales by virtue of S.I. 1978/272.
(c) S.I. 1972/1811.
(d) 1972 c.68; section 2 is subject to Schedule 2 to the Act and is to be read, as regards England and Wales, with section 40 of the Criminal Justice Act 1982 (c.48), and as regards Scotland, with sections 289F and 289G of the Criminal Procedure (Scotland) Act 1975 (c.21), which were inserted by section 54 of the said Act of 1982.

"ash" means the matter which results from the treatment of the feeding stuff in accordance with the appropriate procedure described in method 12 of Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982**(a)**;

"complementary feeding stuff" means a mixture of feeding stuffs which has a high content of certain substances and which, by reason of its composition, is sufficient for a daily ration only if it is used in combination with other feeding stuffs;

"complete feeding stuff" means a compound feeding stuff which, by reason of its composition, is sufficient to ensure a daily ration;

"compound feeding stuff" means a mixture of products of vegetable or animal origin in their natural state, fresh or preserved, or products derived from the industrial processing thereof, or organic or inorganic substances, whether or not containing additives, for oral animal feeding in the form of complete feeding stuffs or complementary feeding stuffs;

"daily ration" means the average total quantity of feeding stuff, expressed on 12 per cent moisture basis, required daily by an animal of a given kind, age group and level of production in order to satisfy all its nutritional needs;

"energy value" means the energy value of a feeding stuff calculated in accordance with the method described in Schedule 9;

"fat" means the extract obtained as a result of treatment of the feeding stuff in accordance with the appropriate procedure described in method 3 of Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982**(b)**;

"fibre" means the organic matter calculated as a result of treatment of the feeding stuff in accordance with the procedure described in method 9 of Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982;

"ingredient" means–

(a) a product of vegetable or animal origin, in its original state, fresh or preserved;

(b) any product derived from such a product by industrial processing;

(c) any organic or inorganic substance;

whether containing additives or not, which is intended for circulation as a straight feeding stuff or for the preparation of a compound feeding stuff or as a carrier of a premixture;

"medicinal product" and "medicinal purpose" have the meanings assigned to them by section 130(1) and (2) respectively of the Medicines Act 1968**(c)**;

"milk replacer feed" means a compound feeding stuff administered in dry form or after reconstitution with a given quantity of liquid for feeding young animals as a supplement to, or substitute for, post-colostral milk or for feeding calves intended for slaughter;

"mineral feeding stuff" means a complementary feeding stuff which is composed mainly of minerals and which contains at least 40 per cent by weight of ash;

"molassed feeding stuff" means a complementary feeding stuff prepared from molasses and which contains at least 14 per cent by weight of total sugar expressed as sucrose;

"moisture" means water and other volatile material determined in accordance with the procedure described in method 2 of Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982;

"name", in relation to an additive, means the name used in relation to that additive in the Table in Schedule 4;

"national list" means the list of manufacturers of compound feeding stuffs published in London on the 30th November 1988 by the Ministry of Agriculture, Fisheries and Food for the purposes of Article 3a(2)(a) of the Council Directive 74/63/EEC on undesirable substances and products in animal nutrition**(d)**.

"oil" means the extract obtained as a result of treatment of the feeding stuff in accordance with the appropriate procedure described in method 3 of Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982;

(a) S.I. 1982/1144, amended by S.I. 1984/52 and 1985/1119.
(b) Method 3 was amended by S.I. 1985/1119.
(c) 1968 c.67.
(d) O.J. No. L38, 11.2.1974, p.31, amended by Council Directive 86/354/EEC (O.J. No. L212, 2.8.1986, p.27).

"pet food" means a feeding stuff for pet animals and "compound pet food" shall be construed accordingly;

"premixture" means a mixture of additives, or a mixture of one or more additives with substances used as carriers, intended for the manufacture of feeding stuffs;

"protein" means the matter obtained as a result of treatment of the feeding stuff in accordance with the procedure described in method 4 of Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982;

"protein equivalent of urea, biuret, urea phosphate and diureidoisobutane" means the amount of urea, biuret, urea phosphate and diureidoisobutane nitrogen multiplied by 6.25;

"starch" means the matter obtained as the result of treatment of the feeding stuff in accordance with method 30a or 30b, as appropriate, of Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982;

"straight feeding stuff" means a vegetable or animal product in its natural state, fresh or preserved, and any product derived from the industrial processing thereof, and any single organic or inorganic substance, whether or not it contains any additive, intended as such for oral animal feeding.

(2) Any reference in these Regulations to a numbered regulation or Schedule shall, unless the context otherwise requires, be construed as a reference to the regulation or Schedule bearing that number in these Regulations.

(3) Any reference in these Regulations to a numbered section shall, unless the reference is to a section of a specified Act, be construed as a reference to the section bearing that number in the Act.

Descriptions of animals prescribed for the purpose of the definition of feeding stuff

3. For the purpose of the definition of feeding stuff in section 66(1), bulls, cows, steers, heifers, calves, sheep, lambs, goats, kids, swine, horses, deer, rabbits (other than pet rabbits), mink, partridges, pheasants, poultry, bees and farmed fish are prescribed animals.

Prescribed descriptions of material

4. The description of material prescribed for the purposes of sections 68(1) and 69(1) shall be any material usable as a feeding stuff (other than a straight feeding stuff intended for use as a pet food), and any material usable as an ingredient in such a feeding stuff.

Matters required and permitted to be contained in a statutory statement

5. For the purposes of subsections (1) and (1A) of section 68 the particulars, information and instructions required, and the particulars, information and instructions permitted, to be contained in a statutory statement shall be those set out in Schedule 1.

Forms of statutory statement

6.—(1) In the case of material of a prescribed description delivered in a package or other container the statutory statement shall either–

(a) take the form of a label attached to that package or container; or

(b) be clearly marked directly thereon;

and in the case of such material delivered in bulk the statutory statement shall take the form of a document relating to each consignment.

(2) The particulars, information and instructions required by section 68(1) and permitted by section 68(1A) to be contained in a statutory statement shall–

(a) be clearly separate from any other information,

(b) be in English, and

(c) be legible and indelible.

(3) For the purposes of section 69 (marking of material prepared for sale), material of a prescribed description which is contained in a package or other container shall be

labelled or marked in the manner prescribed in relation to such material in paragraph (1) of this regulation, and such material in bulk shall be marked by the display in as close proximity to the material as may be practicable of a document relating thereto.

Control of particulars concerning the ingredients of compound feeding stuffs

7.—(1) No person shall–

(a) sell a compound feeding stuff in relation to which the statutory statement, label or any document given to the purchaser in connection with a particular delivery, refers to the presence of any ingredient (other than a substance required or permitted by regulation 5 to be named in the statutory statement or a substance controlled under regulation 15);

(b) have on his premises for the purpose of selling it in the course of trade any compound feeding stuff which is ready for sale and marked so as to show the presence of any such ingredient:

unless the statutory statement or label or document or mark, as the case may be, lists all the ingredients present in the compound feeding stuff concerned, either individually or in appropriately described categories of ingredients of like characteristic or nature, or a combination thereof, in descending order of proportion by weight.

(2) Without prejudice to the provisions of paragraph (1) above, no person shall, in any statutory statement relating to a compound feeding stuff intended for use as a pet food–

(a) use any description of any category of ingredients other than the appropriate description specified in relation to that category in the first column of Schedule 6;

(b) include in any list of ingredients both a description of a category of ingredients and the name of an individual ingredient, except in the case of an individual ingredient which is not included in any category described and defined in Schedule 6.

Time by which a statutory statement relating to certain material must be given

8. For the purpose of section 68(3), any statutory statement required to be given on the sale of any straight feeding stuff delivered in bulk may be given as soon as practicable after delivery to the purchaser.

Register of marks

9.—(1) As respects any straight feeding stuff of a prescribed description the matters required by section 69(1) to be marked on that material may be denoted by a mark whose meaning can be ascertained by reference to a register kept in accordance with this regulation.

(2) In the case of any compound feeding stuff, not being of a standard formulation on general sale by the seller concerned, which is specially manufactured or mixed to the order of a particular purchaser, there shall be an indication in a document, ticket or notice which is readily apparent and unequivocally associated with the material, of the type of feeding stuff and of the name or trade name, and of the address or registered office of the manufacturer. The other matters required by section 69(1) to be marked on the material may be denoted by a mark whose meaning can be ascertained by reference to a register kept in accordance with this regulation.

(3) The register shall show those matters to which the mark relates, being matters required to be contained in a statutory statement relating to the material to which the mark relates, and the date of entry of those particulars in the register, and entries relating to material of a kind mentioned in paragraph (2) of this regulation shall include the name and address of the purchaser, the date of the order and the amount ordered. The register shall be kept as a separate record in book form marked on the outside "Register of marks under section 69(6) of the Agriculture Act 1970" and shall be kept on the premises where the material is held for the purpose of selling it in the course of trade for use as a feeding stuff, save that if the material is in a public store the register shall be kept on the premises of the person who has the material for sale.

(4) The period for which the register is to be preserved in accordance with section 69(7) shall be a period of six months commencing on the first day on which none of the materials referred to in the register remains on the premises for sale as aforesaid.

(5) The register shall be made and kept by the seller concerned.

Assigned Meanings

10. For the purposes of section 70 the meaning assigned by these Regulations to "complementary feeding stuff", "complete feeding stuff", "compound feeding stuff", "milk replacer feed", "mineral feeding stuff" and "molassed feeding stuff" shall be in each case the meaning given to that name or expression by regulation 2(1).

Limits of variation

11. For the purpose of section 74, the limits of variation in relation to any mis-statement in a statutory statement or mark as to the nature, substance or quality of a feeding stuff which relates to an analytical constituent or energy value mentioned in the first column of Schedule 3 shall be as set out with respect to that constituent or value in the second column of the said Schedule.

Manner of packaging and sealing compound feeding stuffs, additives and premixtures

12.—(1) Subject to paragraphs (2), (3) and (4) below no person shall sell a compound feeding stuff or any additive or premixture unless it is in a bag or container and unless that bag or container is sealed in such a way that when the bag or container is opened the seal is damaged and cannot be re-used.

(2) Compound feeding stuffs may be sold in bulk, in unsealed bags or in unsealed containers in the case of–

(a) deliveries between producers or sellers of compound feeding stuffs;

(b) deliveries from producers of compound feeding stuffs to packaging firms;

(c) compound feeding stuffs obtained by mixing grain or whole fruit;

(d) blocks or licks;

(e) small quantities not exceeding 50 kg in weight, which are intended for the final user and are taken directly from a bag or container which before opening complied with the sealing provision of paragraph (1) above.

(3) Compound feeding stuffs may be sold in bulk, or in unsealed containers, but not in unsealed bags in the case of–

(a) direct deliveries from the producer to the final user;

(b) molassed feeding stuffs consisting of less than three ingredients;

(c) pelleted feeding stuffs.

(4) Additives and premixtures may be sold in bulk, in unsealed bags or in unsealed containers in the case of deliveries to manufacturers of premixtures or feeding stuffs.

Meanings of names and purity of materials

13.—(1) For the purpose of section 70, any name of a material specified in column 2 of Schedule 2 shall have the meaning assigned thereto in column 3 of the said Schedule.

(2) No person shall sell or have in possession with a view to sale any vegetable material named in Column 2 of Schedule 2 of which the botanical purity is less than 95%.

Control of the moisture content of certain compound feeding stuffs

14. No person shall sell or have in possession with a view to sale a compound feeding stuff which contains more than 40% of milk products by weight, unless the said feeding stuff contains no more than 7% of moisture by weight.

Control of added substances contained in feeding stuffs

15.—(1) No person shall sell or have in possession with a view to sale for use as a feeding stuff, or use as a feeding stuff, or import into Great Britain for such use any material containing any additive, unless the material complies with the relevant provisions

of Schedule 4, and it shall be proof of an offence under section 74A(3) if a sampled portion of the material is shown by an analysis of the sample taken from it not to comply with a relevant provision of the said Schedule.

(2) Paragraph (1) of this regulation shall not apply to any substance which is–

(a) for use in accordance with a written direction given by a veterinary surgeon or veterinary practitioner for the treatment of a particular animal or particular animals under his care;

(b) a medicinal product or for use for a medicinal purpose in a feeding stuff.

(3) No person shall use as a feeding stuff or import into Great Britain for such use any material containing any added substance, not being a substance of a name or description specified in the Table in Schedule 4, which is deleterious to animals of any description specified in regulation 3, to pet animals, to human beings or to the environment, and it shall be proof of an offence under section 74A(3) if a sampled portion of the material is shown by an analysis of the sample taken from it to contain an added substance which is deleterious as aforesaid.

(4) No person shall sell, or have in possession with a view to sale, for use as a feeding stuff, or import into Great Britain for such use, any complementary feeding stuff, which, when diluted as specified by the manufacturer for feeding to animals, contains levels of additives which exceed those specified in Schedule 4 in relation to complete feeding stuffs.

Control of feeding stuffs and ingredients containing undesirable substances

16.—(1) No person shall sell, or have in possession with a view to sale, for use as a feeding stuff, any material specified in column 2 of Part I of Schedule 5 which contains any substance specified in column 1 of that Part in excess of the level specified in relation thereto in column 3 thereof.

(2) No person shall sell, or have in possession with a view to sale, any complementary feeding stuff which contains a substance specified in column 1 of Part I of Schedule 5 unless–

(a) that feeding stuff is specified in the second column thereof; and

(b) the instructions for use are so worded as to ensure that–

(i) the feeding stuff is used only as part of a daily ration, and

(ii) that the daily ration contains no more of the specified substance than the level specified in relation thereto for complete feeding stuffs.

(3) No person shall sell, or have in possession with a view to sale, for use as an ingredient, any material specified in column 2 of Part II of Schedule 5 which contains any substance specified in column 1 of that Part in excess of the level specified in relation thereto in column 3 thereof.

(4) No person shall sell, or have in possession with a view to sale, for use as an ingredient, any material specified in column 2 of Part II of Schedule 5 which contains any substance specified in column 1 of that Part in excess of the level specified in relation to straight feeding stuffs in column 3 of Part I of that Schedule unless–

(a) the material is intended for use only by manufacturers of compound feeding stuffs who are listed in the national list; and

(b) it is accompanied by a document stating–

(i) that the material is intended only for the use specified in sub-paragraph (a) above,

(ii) that the material may not be fed unprocessed to livestock, and

(iii) the amount of the specified substance contained in the material.

(5) Paragraphs (1) to (4) of this regulation shall not apply to any substance which is–

(a) for use in accordance with a written direction given by a veterinary surgeon or a veterinary practitioner for the treatment of a particular animal or particular animals under his care;

(b) a medicinal product or for use for a medicinal purpose in a feeding stuff.

Restriction on importation and sale of material containing Aflatoxin B_1

17. No person shall import into Great Britain, or sell or have in possession with a view to sale, for use as a feeding stuff any material which is groundnut or a derivative of groundnut in which the level of Aflatoxin B_1 exceeds 0.05 mg/kg, and it shall be proof of an offence under section 74A(3) if a sampled portion of the material is shown by an analysis of the sample taken from it to contain a level of Aflatoxin B_1 exceeding 0.05 mg/kg.

Control of certain protein sources

18.—(1) No person shall sell, or have in his possession with a view to sale, for use as a feeding stuff or as a protein source in a feeding stuff, any material belonging to a product group specified in column 1 of Schedule 7 unless that material–

(a) is named as a permitted product in column 2 of that Schedule; and

(b) complies with all the specifications and requirements contained in and imposed in relation thereto by columns 3 to 7 of the Schedule.

(2) No person shall–

(a) sell, or have in his possession with a view to sale, for use as a feeding stuff;

(b) use as a feeding stuff

any product obtained from yeasts of the "Candida" variety cultivated on n-alkanes.

Control of additives and premixtures

19.—(1) No person shall sell any additive in a bag or container which is not labelled or marked in accordance with Part I of Schedule 8 and paragraph (3) of this regulation.

(2) No person shall sell any premixture in a bag or container which is not labelled or marked in accordance with Part II of Schedule 8 and paragraph (3) of this regulation.

(3) Every label or mark required by paragraph (1) or (2) of this regulation shall conform to the provisions of regulation 6(1) and (2) as if such label or mark were a statutory statement.

(4) If any person sells any additive or premixture in contravention of any provision of this regulation he shall be guilty of an offence and shall be liable on summary conviction to a fine not exceeding £1,000.

Control of iron content of milk replacer feeds

20. No person shall sell, or have in possession with a view to sale, any milk replacer feed intended for calves of up to 70 kilograms live weight which has an iron content of less than 30 milligrams per kilogram of the complete feeding stuff at a moisture content of 12%.

Modification of the Agriculture Act 1970 in relation to all feeding stuffs

21.—(1) Sections 66 and 82 of the Act shall apply, in relation to all feeding stuffs, subject to the modifications provided for in the following paragraphs.

(2) For subsection (2) of section 66 there shall be substituted the following subsection:

"(2) For the purposes of this Act–

(a) material shall be treated as sold for use as a fertiliser whether it is sold to be so used by itself or as an ingredient in something which is to be so used;

(b) material shall be treated–

(i) as imported or sold for use as a feeding stuff whether it is imported or, as the case may be, sold to be so used by itself or as an ingredient or additive in something which is to be so used;

(ii) as used as a feeding stuff whether it is so used by itself or as an ingredient or additive in something which is to be so used.".

(3) In subsection (1) of section 82 for the words "68(4)(b) and (c)" there shall be substituted the words "68(1A), (4)(b) and (c)" and for the words "and 73" there shall be substituted the words "73, 73A and 74A".

Modification of the Agriculture Act 1970 in relation to imported feeding stuffs

22.—(1) In relation to feeding stuffs which have been imported section 69(1) shall have effect subject to the modifications provided for in the following paragraph.

(2) The words "and in either case before it is removed from the premises" shall be omitted, and for the words "the material" there shall be substituted the words "any material which has been marked in accordance with this subsection".

Exemptions

23. These Regulations shall not apply to any feeding stuff which is intended for use only for–

(a) the experimental investigation or testing of substances controlled under regulation 15;

(b) other purposes of scientific research or experiment,

and which is not generally available for sale, purchase or use as a feeding stuff, and is clearly marked to that effect.

Revocation

24. The Feeding Stuffs (No. 2) Regulations 1986**(a)** are hereby revoked.

In witness whereof the Official Seal of the Minister of Agriculture, Fisheries and Food is hereunto affixed on 3rd March.

(L.S.)

John MacGregor
Minister of Agriculture, Fisheries and Food

2nd March 1988

Sanderson of Bowden
Minister of State, Scottish Office

2nd March 1988

Peter Walker
Secretary of State for Wales

SCHEDULE 1

Regulation 5

CONTENTS OF THE STATUTORY STATEMENT

1.—(1) In the case of any material sold for use as a feeding stuff, the name or trade name and address or registered office of the person responsible for the accuracy of particulars referred to in this Schedule shall be contained in the statutory statement.

(2) The following particulars may be contained in the statutory statement:

(a) the identification mark or trade mark of the person responsible for the particulars referred to in this Schedule;

(b) the batch number;

(c) the final date or time limit by which or during which the material should be used;

(d) the trade name of the material;

(e) the price of the material; and

(f) the country of origin or manufacture of the material.

2. In the case of any material to which there has been added in the course of manufacture or preparation for sale any of the undermentioned substances (other than as a medicinal product or for a medicinal purpose)–

(a) S.I. 1986/1735.

(1) The following particulars specified below in relation to each substance shall also be contained in the statutory statement:

(a) magnesium, a statement of the total amount present (whether naturally present or added) if present in excess of 0.5 per cent;

(b) antioxidant, colourant or preservative, either the words "contains permitted antioxidant", "contains permitted colourant", or "contains permitted preservative" as appropriate, or the name of the antioxidant, colourant or preservative; except that

(i) if the material is a compound feeding stuff other than a pet food, the name of the antioxidant, colourant or preservative shall be stated;

(ii) if the material is intended for use as a pet food, and is put up in a bag or container having a net weight of more than 10 kilograms, the words "with antioxidant", "colourant" (or "coloured with"), "preservative" (or "preserved with") shall be used as appropriate, followed by the name of the antioxidant, colourant or preservative;

(iii) if the material is intended for use as a pet food, and is put up in a bag or container having a net weight of not more than 10 kilograms, the particulars may be given as in (ii) above or in the words "contains EEC permitted antioxidant(s), colourant(s) (and) preservative(s)" as appropriate, and a reference number whereby the feeding stuff may be identified. By way of exception, this reference number may appear elsewhere on the package, label or container if the statutory statement contains a clear indication of the positioning of the said reference number. In such case, the manufacturer shall, on request, supply the name(s) of the additive(s) used;

(c) vitamin A, D or E, the name of the vitamin and the active substance level (in the case of vitamin A or D) or the alpha-tocopherol level as acetate (in the case of vitamin E) whether naturally present or added together in either case with an indication of the period during which that level will remain present. Where more than one of these vitamins is present, only the shortest of those periods need be stated;

(d) copper, the name of the additive and the total level of the element (whether naturally present or added);

(e) bentonite and montmorillonite, the name of the additive.

(2) The following additional particulars specified below in relation to each substance may be contained in the statutory statement:

(a) trace elements other than copper, (if the amount present can be determined by the methods specified in Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982**(a)** or by by some other valid scientific method), the name of the additive and the total level of the element (whether naturally present or added); and

(b) vitamins other than vitamins A, D and E, provitamins and substances having a similar chemical effect, (if the amount present can be determined by the methods specified in Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982 or by some other valid scientific method), the name of the additive, the active substance level (whether naturally present or added) and an indication of the period during which that level will remain present; and

(c) any other added substance, its EEC number or its trade name.

(3) Any amount referred to–

(a) in subparagraph (1)(a) of this paragraph shall be expressed as a percentage by weight;

(b) in subparagraphs (1)(d), (2)(a) or (2)(b) of this paragraph shall be expressed in milligrams per kilogram;

(c) in subparagraph (1)(c) of this paragraph shall be expressed in million international units per kilogram, international units per kilogram, milligrams per kilogram or micrograms per kilogram, as appropriate.

(4) However, by way of exception to the provisions of subparagraph (3)(b) above, any amount referred to in subparagraphs (1)(d), (2)(a) or (2)(b) of this paragraph may be expressed as a percentage by weight, unless the amount is less than 0.1 per cent by weight, in which case it shall be expressed in milligrams per kilogram or micrograms per kilogram as appropriate.

(5) The particulars required or permitted by this paragraph to be included in the statutory statement may be accompanied by the trade name or the EEC number of any additive named therein.

3. In the case of any material of any description, not being a pet food, named in column 2 of Schedule 2, the following particulars shall also be contained in the statutory statement:

(a) the name of the feeding stuff specified in the said second column;

(a) S.I. 1982/1144, amended by S.I. 1984/52 and 1985/1119.

(b) an indication of the form of presentation of the feeding stuff and of any process which the feeding stuff has undergone in the course of preparation or manufacture if this is not clear from the name;

(c) denaturing agents: nature and quantity where materials referred to in the second column of Schedule 2 are used to denature straight feeding stuffs;

(d) binding agents: nature where materials referred to in column 2 of Schedule 2 are used to bind straight feeding stuffs, provided that such materials do not exceed 3 per cent by weight of the straight feeding stuff;

(e) the amounts of each of the analytical constituents which are listed in column 4 of Schedule 2; in the case of straight feeding stuffs by reference to the feeding stuff as such.

4. In the case of any material of any description, not being a pet food, named in column 2 of Schedule 2, the following additional particulars may be contained in the statutory statement:

(a) directions for use of the material;

(b) the amounts of any of the analytical constitutents which are listed in column 5 of Schedule 2; in the case of straight feeding stuffs by reference to the feeding stuff as such.

5. In the case of any material of any description, not being a pet food, which is not named in column 2 of Schedule 2, a name or description or a name and description sufficiently specific to indicate the nature of the material shall also be contained in the statutory statement.

6. In the case of any straight feeding stuff, not being a pet food, the words "straight feeding stuff" shall also be contained in the statutory statement.

7. In the case of any compound feeding stuff the following particulars shall also be contained in the statutory statement:

(a) until 3rd December 1988 a name or description, or a name and description which clearly indicates that the material is a compound feeding stuff, which name or description may include references to the species or category of animal, and the purpose for which the material is intended;

(b) from 3rd December 1988–

(i) subject to (ii) below, the description "complete feeding stuff", "complementary feeding stuff", "mineral feeding stuff", "molassed feeding stuff", "complete milk replacer feed", "complementary milk replacer feed" as appropriate;

(ii) in the case of a pet food the descriptions "complete pet food" and "complementary pet food" may be used instead of "complete feeding stuff" and "complementary feeding stuff" respectively;

(c) the species or category of animal for which the material is intended, except that, where the material comprises no more than three ingredients and where the ingredients concerned appear in the name or description, the species or category of animal may be omitted from the statutory statement;

(d) the intended purpose of the material and the directions for use if the latter is not apparent from the intended purpose of the material and the particulars given in accordance with (c) above, except that, where the material comprises no more than three ingredients and where the ingredients concerned appear in the name or description, the directions for use and the intended purpose may be omitted from the statutory statement.

8. In the case of any compound feeding stuff the following additional particulars may be contained in the statutory statement;

(a) the date of manufacture;

(b) directions for use when not required to be given in accordance with paragraph 7(d) above;

(c) ingredients when not required to be given in accordance with sub-paragraph 12(a)(v) below.

9. In the case of a molassed feeding stuff–

(a) the following particulars shall also be contained in the statutory statement:

(i) amount of fibre;

(ii) amount of total sugar expressed as sucrose;

(b) the following additional particulars may be contained in the statutory statement:

(i) amount of moisture;

(ii) amount of starch;

(iii) amount of total sugar plus starch;

(iv) amount of protein soluble in pepsin and hydrochloric acid;

(v) amount of calcium;

(vi) amount of magnesium;

(vii) amount of sodium;

(viii) amount of phosphorus;

(ix) in the case of material intended for the feeding of pigs, poultry and pre-ruminating ruminants, amounts of cystine, lysine or methionine.

10. In the case of a mineral feeding stuff–

(a) the following particulars shall also be contained in the statutory statement:

(i) amount of calcium;

(ii) amount of phosphorus;

(iii) amount of sodium;

(b) the following additional particulars may be contained in the statutory statement:

(i) amount of protein;

(ii) amount of oil;

(iii) amount of fibre;

(iv) amount of magnesium;

(v) amount of ash.

11. In the case of a compound feeding stuff not referred to in paragraphs 9 and 10 above nor a compound pet food nor a whole grain mix

(a) the following particulars shall also be contained in the statutory statement:

(i) amount of protein;

(ii) amount of oil;

(iii) amount of fibre;

(iv) amount of ash;

(v) (for compound poultry feeds only) the energy value, calculated in accordance with the formula set out in Schedule 9;

(b) the following additional particulars may be contained in the statutory statement:

(i) amount of protein soluble in pepsin and hydrochloric acid;

(ii) amount of moisture;

(iii) amount of starch;

(iv) amount of total sugar plus starch;

(v) amount of total sugar expressed as sucrose;

(vi) amount of calcium;

(vii) amount of magnesium;

(viii) amount of sodium;

(ix) amount of phosphorus;

(x) in the case of material intended for the feeding of pigs, poultry and pre-ruminating ruminants, amounts of cystine, lysine or methionine.

12. In the case of a compound pet food for dogs or cats–

(a) the following particulars shall also be contained in the statutory statement:

(i) amount of protein;

(ii) amount of oil;

(iii) amount of fibre;

(iv) amount of ash;

(v) ingredients;

(b) the following additional particulars may be contained in the statutory statement:

(i) amount of calcium;

(ii) amount of sodium;

(iii) amount of phosphorus;

(iv) amount of moisture.

13. In the case of a compound pet food not referred to in paragraph 12 above, the following additional particulars may be contained in the statutory statement:

(a) amount of moisture;
(b) amount of protein;
(c) amount of oil;
(d) amount of fibre;
(e) amount of ash;
(f) amount of calcium;
(g) amount of sodium;
(h) amount of phosphorus.

14. In the case of a complementary feeding stuff which contains any additive in excess of the maximum content specified for that additive in relation to the complete feeding stuff by Schedule 4, the instructions for use shall state, according to the species and age of the animal, the maximum quantity in grams or kilograms of the feeding stuff to be given per animal per day, and shall be so formulated that, when they are correctly followed, the final content of the additive does not exceed the maximum so specified.

This paragraph shall not apply to products delivered to manufacturers of compound feeding stuffs or to their suppliers.

15. In the particulars set out in the preceding paragraphs:

(a) unless the paragraph in question specifies some other method of expression, the amounts of the analytical constituents specified shall be expressed as a definite percentage of the weight of the material and not as a range of percentages;
(b) reference to feeding stuff shall be to feeding stuff as such; and
(c) phosphorus shall be expressed as "phosphorus P".

16.—(1) Subject to subparagraph (2) below, in the case of a compound pet food the statutory statement may draw particular attention to the presence or low content of one or more ingredients that are essential for the characteristics of the feeding stuff.

(2) Where particular attention is drawn to the presence or low content of any ingredient as permitted by subparagraph (1) above, the minimum or maximum content respectively, expressed in terms of the percentage by weight of that ingredient shall be clearly indicated–

(a) opposite the statement which draws attention to that presence or low content, or
(b) in the list of ingredients, or
(c) by mentioning that presence or low content and the percentage thereof (by weight) opposite the corresponding category of ingredients.

17.—(1) In the case of a product named as a permitted product in column 2 of Schedule 7, the statutory statement shall contain, in addition to any other particulars required by these Regulations, the name specified for that product in column 7 of that Schedule together with such further particulars as may be specified in that column in relation to it.

(2) In the case of a compound feeding stuff containing for use as a protein source a product named as a permitted product in column 2 of Schedule 7, the statutory statement shall contain, in addition to any other particulars required by these Regulations, the name specified for that product in column 7 of that Schedule together with such further particulars as may be specified in that column in relation to compound feeding stuffs containing it.

SCHEDULE 2

Regulation 13 and Schedule 1

MATERIALS AND THEIR MEANINGS

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
1 OIL CAKES AND MEAL	1.1 Macoya palm kernel expeller	By-product of oil manufacture, obtained by pressing from seeds separated from their pulp of the following species of Macoya palm *Acrocomia sclerocarpa Mart.* and *Acrocomia totai Mart.*	Protein Fibre Oil	Ash Moisture
	1.2 Macoya extracted palm kernel	By-product of oil manufacture, obtained by extraction from seeds of Macoya palm separated from their pulp	Protein Fibre	Ash Moisture Oil
	1.3 Macoya palm pulp	By-product of oil manufacture, obtained by pressing from pulp of Macoya palm	Protein Fibre Oil	Ash Moisture
	1.4 Decorticated groundnut expeller	By-product of oil manufacture, obtained by pressing from decorticated groundnuts (species *Arachis hypogaea* and other species of *Arachis*)	Protein Fibre Oil	Ash Moisture
	1.5 Extracted decorticated groundnut	By-product of oil manufacture, obtained by extraction from decorticated groundnut seeds	Protein Fibre	Ash Moisture Oil
	1.6 Partly-decorticated groundnut expeller	By-product of oil manufacture, obtained by pressing from partly-decorticated groundnut seeds	Protein Fibre Oil	Ash Moisture
	1.7 Extracted, partly-decorticated groundnut	By-product of oil manufacture, obtained by extraction from partly-decorticated groundnut seeds	Protein Fibre	Ash Moisture Oil
	1.8 Rape seed expeller	By-product of oil manufacture, obtained by pressing from seeds of rape *Brassica napus L. ssp. oleifera (Metzg.) Sinsk.*, of Indian sarson *Brassica napus L. var. glauca (Roxb.) O. E. Schulz* and of rape *Brassica campestris L. ssp. oleifera (Metzg.) Sinsk.*	Protein Fibre Oil	Ash Moisture

	1.9 Extracted rape seed	By-product of oil manufacture obtained by extraction from seeds of colza, Indian sarson or rape	Protein Fibre	Ash Moisture Oil
	1.10 Copra expeller	By-product of oil manufacture obtained by pressing from copra, the dried kernel (endosperm) and testa of the coconut palm, *Cocos nucifera L.*	Protein Fibre Oil	Ash Moisture
	1.11 Extracted copra	By-product of oil manufacture, obtained by extraction from copra, the dried kernel (endosperm) and testa of the coconut palm	Protein Fibre	Ash Moisture Oil
	Coconut cakes or meals	The residue resulting from the removal of oil from commercially pure coconut kernels	Protein Fibre Oil	Ash Moisture
	1.12 Palm kernel expeller	By-product of oil manufacture, obtained by pressing from palm nuts, from which as much as possible of the hard shell has been removed, of the following species of oil palm: *Elaeis guineensis Jacq., Corozo oleifera (H.B.K.) L. H. Bailey (Elaeis melanococca-auct.)*	Protein Fibre Oil	Ash Moisture
	1.13 Extracted palm kernel	By-product of oil manufacture, obtained by extraction from palm nuts of the species of oil palm from which as much as possible of the hard shell has been removed	Protein Fibre	Ash Moisture Oil
	1.14 Soya expeller	By-product of oil manufacture, obtained by pressing from soya beans (the seed of the species *Glycine max. (L.) Merr.*)	Protein Fibre Oil	Ash Moisture
	1.15 Extracted toasted soya	By-product of oil manufacture, obtained from soya bean seeds by extraction and appropriate heat treatment	Protein Fibre	Ash Moisture Oil
	1.16 Extracted toasted hulled soya seeds	By-product of oil manufacture, obtained from hulled soya bean seeds by extraction and appropriate heat treatment	Protein Fibre	Ash Moisture Oil
	1.17 Decorticated cotton seed expeller	By-product of oil manufacture, obtained by pressing from seeds of cotton belonging to the genus *Gossypium spp.* from which the fibres and husks have been removed	Protein Fibre Oil	Ash Moisture
	1.18 Extracted decorticated cotton seed	By-product of oil manufacture, obtained by extraction from seeds of cotton from which the fibres have been removed	Protein Fibre	Ash Moisture Oil

SCHEDULE 2 – *continued*

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
	1.19 Partly-decorticated cotton seed expeller	By-product of oil manufacture, obtained from seeds of cotton from which the fibres and part of the husks have been removed	Protein Fibre Oil	Ash Moisture
	1.20 Extracted, partly-decorticated cotton seed	By-product of oil manufacture, obtained by extraction from seeds of cotton from which the fibres and part of the husks have been removed	Protein Fibre	Ash Moisture Oil
	Cotton cakes or meals not decorticated	The residue resulting from the removal of oil from commercially pure cotton seed, not decorticated	Protein Fibre Oil	Ash Moisture
	1.21 Expeller or extracted niger seed	By-product of oil manufacture, obtained by pressing seeds of the niger plant *Guizotia abyssinica (L.f) Cass.*	Protein Fibre Oil	Ash Moisture
	1.22 Decorticated sunflower seed expeller	By-product of oil manufacture, obtained by pressing from seeds of the sunflower *Helianthus annuus L.* from which as much as possible of the husk has been removed	Protein Fibre Oil	Ash Moisture
	1.23 Extracted decorticated sunflower seed	By-product of oil manufacture, obtained by extraction from seeds of the sunflower from which part of the husks have been removed as far as possible	Protein Fibre	Ash Moisture Oil
	1.24 Partly-decorticated sunflower seed expeller	By-product of oil manufacture, obtained by pressing from seeds of the sunflower from which part of the husks have been removed	Protein Fibre Oil	Ash Moisture
	1.25 Extracted, partly-decorticated sunflower seed	By-product of oil manufacture, obtained by extraction from seeds of the sunflower from which part of the husks have been removed	Protein Fibre	Ash Moisture Oil
	1.26 Linseed expeller	By-product of oil manufacture, obtained by pressing from linseed, *Linum usitatissimum L.*	Protein Fibre Oil	Ash Moisture
	1.27 Extracted linseed	By-product of oil manufacture, obtained by extraction from linseed	Protein Fibre	Ash Moisture Oil

	Linseed meal	The meal obtained by grinding or crushing commercially pure linseed	Protein Fibre Oil	Ash Moisture
	1.28 Babassu palm nut expeller	By-product of oil manufacture, obtained by pressing from palm nuts, from which as much as possible of the hard shell has been removed, of the Brazilian Babassu palms *Orbignya oleifera Burr* and other species of *Orbignya*	Protein Fibre Oil	Ash Moisture
	1.29 Rice germ expeller	By-product of oil manufacture, obtained by pressing from germ of rice *Oryza sativa L.* to which parts of the endosperm and tegument still adhere	Protein Fibre Oil	Ash Moisture
	1.30 Extracted brown rice germ	By-product of oil manufacture, obtained by extraction from germ of rice to which parts of the endosperm and tegument still adhere	Protein Fibre	Ash Moisture Oil
	1.31 Sesame seed expeller	By-product of oil manufacture, obtained by pressing from seeds of the sesame plant, *Sesamum indicum L.*	Protein Fibre Oil	Ash Moisture
	1.32 Extracted sesame seed	By-product of oil manufacture, obtained by extraction from seeds of the sesame plant	Protein Fibre	Ash Moisture Oil
	1.33 Extracted cocoa bean	By-product of oil manufacture, obtained by extraction from dried and roasted cocoa bean seeds *Theobroma cacao L.* from which as much as possible of the husk has been removed	Protein Fibre	Ash Moisture Oil
	1.34 Wheat germ expeller	By-product of oil manufacture, obtained by pressing from wheat germ of the species *Triticum aestivum L., Triticum durum Desf.* and from other cultivated species of husked wheat or from screened husked grains of spelt of the species *Triticum spelta L., Triticum dicoccum Schrank, Triticum monococcum L.,* to which parts of the endosperm and tegument still adhere	Protein Fibre Oil	Ash Moisture
	1.35 Maize germ expeller (by-product of maize milling)	By-product of oil manufacture, obtained by pressing and by a dry process, from maize germ *Zea mays L.* to which parts of the endosperm and testa still adhere	Protein Fibre Oil	Ash Moisture Starch
	1.36 Extracted maize germ (by-product of maize milling)	By-product of oil manufacture, obtained by extraction and by a dry process, from maize germ to which parts of the endosperm and testa still adhere	Protein Fibre	Ash Moisture Oil Starch

SCHEDULE 2 – *continued*

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
	1.37 Maize germ expeller (by-product of the starch industry)	By-product of oil manufacture, obtained by pressing and by a wet process, from maize germ to which parts of the endosperm and testa still adhere	Protein Fibre Oil	Ash Moisture
	1.38 Extracted maize germ (by-product of the starch industry)	By-product of oil manufacture, obtained by extraction and by a wet process, from maize germ to which parts of the endosperm and testa still adhere	Protein Fibre	Ash Moisture Oil
	1.39 Olive pulp meal	By-product of oil manufacture, obtained by extraction from fruits of the olive tree *Olea Europea L.* free as far as possible from fragments of stone	Protein Fibre	Ash Moisture Oil
2 PRODUCTS AND BY-PRODUCTS OF THE PROCESSING OF VEGETABLE SUBSTANCES 2.1 By-products of milling	2.1.1 Wheat bran	By-product of flour manufacture, obtained from screened husked grains of wheat or spelt. It consists principally of fragments of the outer skins, and of particles of grain from which the greater part of the endosperm has been removed	Fibre	Ash Moisture
	2.1.2 Wheat feed	By-product of flour manufacture, obtained from screened husked grains of wheat or spelt. It consists principally of fragments of the outer skins and of particles of grain from which less of the endosperm has been removed than in wheat bran	Fibre	Starch Ash Moisture
	2.1.3 Wheat middlings	By-product of flour manufacture, obtained from screened husked wheat or spelt. It consists principally of particles of endosperm with fine fragments of the outer skins and some grain waste	Fibre	Starch Ash Moisture
	2.1.4 Wheat germ	By-product of milling consisting essentially of wheat germ, rolled or otherwise, to which fragments of endosperm and outer skin still adhere	Fibre	Protein Oil Ash Moisture

	Wheat meal	The meal obtained by grinding commercially pure wheat, as grown	Fibre	Ash Moisture
	2.1.5 Rye bran	By-product of flour manufacture, obtained from screened rye *Secale cereale L.* It consists principally of fragments of the outer skins, and of particles of grain from which most of the endosperm has been removed	Fibre	Ash Moisture
	2.1.6 Rye feed	By-product of flour manufacture, obtained from screened rye. It consists principally of fragments of the outer skins, and of particles of grain from which less of the endosperm has been removed than in rye bran	Fibre	Starch Ash Moisture
	2.1.7 Rye screenings (rye meal)	By-product of flour manufacture, obtained from screened rye. It consists principally of particles of endosperm, with fine fragments of the outer skins and some grain waste	Fibre	Starch Ash Moisture
2.2 Products and by-products of the manufacture of flakes, groats and husked grain	2.2.1 Husked oat sharps (middlings)	By-product, rich in starch, obtained during the processing of screened, husked, oats *Avena sativa L.* and other cultivated species of oats into oat groats or sifted oatmeal	Fibre Starch	Ash Moisture
	Oat feed	The by-product of oatmeal milling consisting of hulls, floury materials, mealy matter and screen dust, all finely ground, and containing not more than 27% of fibre	Fibre	Starch Ash Moisture
	Ground oats	The meal obtained by grinding commercially pure oats, as grown	Fibre	Ash Moisture
	2.2.2 Flaked barley	Product obtained by steaming and rolling husked barley *Hordeum vulgare L.*	Fibre	Starch Moisture
	2.2.3 Barley feed	By-product of the processing of screened and husked barley into pearl barley or semolina or sifted barley meal	Fibre Starch	Ash Moisture
	Barley meal	The meal obtained by grinding barley, as grown, which shall be the whole grain together with only such other substances as may reasonably be expected to have become associated with the grain in the field and which contains not less than 96% pure barley	Fibre	Ash Moisture
	2.2.4 Flaked maize	Product obtained by steaming and rolling maize	Fibre	Starch Moisture

SCHEDULE 2 – *continued*

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
	2.2.5 Pea middlings (pea forage meal)	By-product obtained during the manufacture of peameal *Pisum sativum L.* It consists principally of particles of endosperm, and to a lesser extent, of skins	Protein Fibre	Oil Ash Moisture
	Pea meal	The meal obtained by grinding commercially pure peas, as grown, of varieties *Pisum sativum* or *Pisum arvense*	Protein Fibre	Ash Moisture
	2.2.6 Flaked potatoes	Product obtained by drying potatoes, *Solanum tuborosum L.*, whether or not peeled, which have been steamed or boiled and crushed	Fibre	Starch Moisture
	Bean meal	The meal obtained by grinding commercially pure beans of the species (1) *Vicia faba* or any of its varieties, commonly known as "horse bean", "field bean" or "broad bean" or (2) *Phaseolus vulgaris*, the "true haricot bean" or any of its varieties, white or coloured	Protein Fibre	Ash Moisture
2.3 Byproducts of maize milling	2.3.1 Maize feed meal	By-product of the manufacture of flour or semolina from maize	Starch	Fibre Ash Moisture Protein Oil
	Maize meal; Indian meal	The meal obtained by grinding commercially pure maize or Indian corn, as grown	Fibre	Ash Moisture
	2.3.2 Maize bran	By-product of the manufacture of flour or semolina from maize. It consists principally of outer skins and maize germ, with some endosperm particles	Fibre	Ash Moisture Oil Protein
	2.3.3 Maize germ and bran	By-product of the manufacture of maize flour, maize semolina or of maize starch consisting of non-extracted germ, maize bran and some fragments of endosperm	Oil Protein	Moisture Fibre Ash Starch
	Dari meal; durra meal	The meal obtained by grinding commercially pure dari or durra seed	Fibre	Ash Moisture

2.4 Products and by-products of rice milling	2.4.1 Ground fodder rice	Product obtained by grinding fodder rice consisting either of green, chalky or unripe grains, sifted out during the milling of husked rice, or of normal husked grains which are yellow or spotted	Starch	Fibre Ash Moisture Oil Protein
	2.4.2 Broken rice	By-product of the preparation of polished or glazed rice. It consists principally of under-sized or broken grains	Starch	
	2.4.3 Rice bran (brown)	By-product of the first polishing of husked rice without the use of calcium carbonate. It consists of silvery skins, particles of the aleurone layer, endosperm and germ	Protein Fibre Oil	Moisture Ash Ash insoluble in HCl
	2.4.3a Rice bran (brown), low in calcium carbonate	By-product of the first polishing of husked rice. It consists of silvery skins, particles of the aleurone layer, endosperm and germ; it contains a small quantity of calcium carbonate resulting from the polishing process.	Protein Fibre Oil Calcium carbonate	Moisture Ash Ash insoluble in HCl
	2.4.4 Rice bran (white)	By-product of the second polishing of husked rice. It consists principally of particles of endosperm; of the aleurone layer and of germ	Protein Fibre Oil	Moisture Ash Ash insoluble in HCl
2.5 Products and by-products of the starch industry	2.5.1 Maize starch	Virtually pure maize starch	Starch	Moisture Ash
	2.5.2 Puffed maize starch	Virtually pure maize starch, greatly expanded by appropriate heat treatment	Starch	Moisture Ash
	2.5.3 Pre-gelatinized partially hydrolyzed maize starch	Virtually pure maize starch, largely pre-gelatinized and partially hydrolyzed	Starch Reducing sugars, expressed as glucose	Moisture Ash
	2.5.4 Maize gluten	Dried by-product of the manufacture of maize starch. It consists principally of gluten obtained during the separation of the starch	Protein	Moisture Fibre Ash Oil Xanthophyll

SCHEDULE 2 – *continued*

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
	2.5.5 Maize gluten feed	Dried by-product of the manufacture of maize starch. It is composed of bran and of a smaller quantity of gluten. Dried residues of the steeping liquors, and germ, from which the oil has been removed may be added	Protein	Moisture Fibre Ash Oil
	2.5.6 Rice starch	Virtually pure rice starch	Starch	Moisture Ash
	2.5.7 Puffed rice starch	Virtually pure rice starch, greatly expanded by appropriate heat treatment	Starch	Moisture Ash
	2.5.8 Rice gluten	Dried by-product of the manufacture of rice starch consisting mainly of gluten	Protein	Moisture Fibre Ash Oil
	2.5.9 Sorghum gluten feed	Dried by-product of the manufacture of sorghum starch *Sorghum bicolor (L.) Moench s.l.* It consists of bran and a smaller quantity of gluten. Dried residues of the steeping liquors and the germ may be added	Protein	Moisture Fibre Ash Oil
	2.5.10 Wheat starch	Virtually pure wheat starch	Starch	Moisture Ash
	2.5.11 Puffed wheat starch	Virtually pure wheat starch greatly expanded by appropriate heat treatment	Starch	Moisture Ash
	2.5.12 Pre-gelantinized partially hydrolyzed wheat starch	Virtually pure wheat starch, largely pre-gelatinized and partially hydrolyzed	Starch Reducing sugars, expressed as glucose	Moisture Ash
	2.5.13 Wheat gluten	Dried by-product of the manufacture of wheat starch. It consists principally of gluten obtained during the separation of starch	Protein	Moisture Ash
	2.5.14 Manioc starch	Virtually pure starch obtained from manioc roots *Manihot esculenta Crantz*	Starch	Moisture Ash
	2.5.15 Puffed manioc starch	Starch obtained from manioc roots, greatly expanded by appropriate heat treatment	Starch	Moisture Ash

	2.5.16 Potato starch	Virtually pure potato starch	Starch	Moisture Ash
	2.5.17 Pre-gelatinized potato starch	Virtually pure potato starch, greatly expanded by appropriate heat treatment	Starch	Moisture Ash
	2.5.18 Pre-gelatinized partially hydrolyzed potato starch	Virtually pure potato starch, greatly expanded and partially hydrolyzed	Starch Reducing sugars, expressed as glucose	Moisture Ash
	2.5.19 Potato protein	Dried by-product of starch manufacture composed mainly of protein substances obtained by the separation of starch	Protein	Moisture Ash Oil Fibre
	2.5.20 Dried potato pulp	Dried by-product of the manufacture of potato starch	Starch	Moisture Ash Oil Fibre
	2.5.21 Dextrose (glucose)	Product of the saccharification of starch, consisting of purified, crystallized glucose (with or without water of crystallization)	Glucose	Moisture
	2.5.22 Dextrose molasses	By-product obtained during the crystallization of dextrose	Reducing sugars, expressed as glucose	Moisture Ash
2.6 Products and by-products of sugar manufacture	2.6.1 Sugar (sucrose)	Beet or cane sugar in solid form	Sucrose	Ash
	2.6.2 Dried sugar beet slices	Product obtained by drying slices of washed sugar beet *Beta vulgaris L., ssp. vulgaris var. altissima Doell*	Total sugar, expressed as sucrose	Moisture Ash
	2.6.3 Dried partially extracted sugar beet	Product obtained by drying washed sugar beet slices	Total sugar, expressed as sucrose	Moisture Ash
	2.6.4 Dried plain sugar beet pulp	By-product of the manufacture of sugar, consisting of pulped and dried sugar beet slices		Fibre
	2.6.5 Sugar beet molasses	By-product consisting of the syrupy residue collected during the manufacture or refining of beet sugar	Total sugar, expressed as sucrose	
	2.6.6 Sugar cane molasses	By-product consisting of the syrupy residue collected during the manufacture or refining of sugar from sugar cane *Saccharum officinarum L.*	Total sugar, expressed as sucrose	

SCHEDULE 2 – *continued*

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
	Dried molassed sugar beet feed	By-product of the manufacture of sugar, consisting of extracted sugar beet slices and sugar beet molasses, which has been dried	Total sugar, expressed as sucrose Fibre	Protein Ash Moisture Oil
2.7 Products and by-products of malting, brewing, distilling and fruit processing; dried feed yeasts	2.7.1 Barley malt culms	By-product of malting consisting of dried rootlets and shoots of germinated barley	Protein	Moisture Ash Fibre
	2.7.2 Dried yeasts	Yeasts, whether or not mixed, belonging to the families *Saccharomycetaceae, Endomycetaceae* and *Cryptococcaceae*, cultivated on the following substrates: beet or core juice or molasses, distillers' or yeast-makers' wash, lactoserum, cereals and products derived from their processing, solutions from the hydrolysis of fibrous material, the cells of which have been killed by drying	Protein	Moisture Ash Ash insoluble in HCl
	2.7.3 Dried brewers' grains	By-product of brewing obtained by drying residues of malted and unmalted cereals and other starchy matter	Protein	Moisture Fibre
	2.7.4 Dried distillers' grains	By-product of distilling obtained by drying residues of fermented cereals or other starchy matter, or residues of cereals used in the distilling process	Protein	Moisture Fibre
	2.7.5 Dehydrated citrus pulp	By-product obtained during the manufacture of citrus juice		Moisture Fibre
2.8 Artificially dried agricultural products	2.8.1 Grass meal	Product obtained by artificially drying and possibly pre-drying young forage plants, the enzymes which activate oxidation being rendered virtually inactive by the drying	Protein	Moisture Ash Ash insoluble in HCl Fibre Carotene Oil

	2.8.2 Lucerne meal	Product obtained by artificially drying and possibly pre-drying *Medicago sativa L.* and *Medicago varia Martyn*, the enzymes which activate oxidation being rendered virtually inactive by the drying. This product may contain approximately 20 per cent of grass or clover artificially dried and possibly pre-dried at the same time as the lucerne	Protein	Moisture Ash Ash insoluble in HCl Fibre Carotene Oil
	2.8.3 Clover meal	Product obtained by artificially drying and possibly pre-drying young clover. *Trifolium spp.*, the enzymes which activate oxidation being rendered virtually inactive by the drying. This product may contain approximately 20 per cent of grass or lucerne artificially dried and possibly pre-dried at the same time as the clover	Protein	Moisture Ash Ash insoluble in HCl Fibre Carotene Oil
	2.8.4 Dried tops and leaves of sugar beet	Product obtained by artificially drying tops and leaves of sugar beet, washed, whether or not chopped		Protein Total sugar, expressed as sucrose Moisture Ash insoluble in HCl Fibre
	2.8.5 Jerusalem artichoke or Jerusalem artichoke meal	Product obtained by crushing or grinding dried, cleaned tubers of Jerusalem artichokes *Helianthus tuberosus L*	Inulin	Moisture Ash Fibre Oil Protein
	2.8.6 Sweet potato chips or sweet potato meal	Product obtained by crushing or grinding dried, cleaned tubers of sweet potato *Ipomoea batatas (L.) Poir.*	Starch	Moisture Ash Fibre Oil Protein
	2.8.7 Manioc meal or manoic flakes or manioc roots	Dried and, if necessary, washed and peeled manioc roots; also products obtained by crushing and grinding	Starch	Moisture Ash Fibre Oil Protein
	2.8.8 Manioc meal type 55 or manioc flakes type 55 or manioc roots type 55	Unpeeled manioc roots, dried and, if necessary, washed, also products obtained by crushing and grinding	Starch	Moisture Ash Fibre Oil Protein

SCHEDULE 2 – *continued*

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
	2.8.9 Dried manioc pulp	Waste from the manufacture of manioc starch, which has been dried and ground	Starch	Moisture Ash Fibre Oil Protein
2.9 Other products of vegetable origin	2.9.1 Crushed locust beans	Product obtained by crushing the dried, stoned fruit of the carob tree *Ceratonia siliqua L.*		Total sugar, expressed as sucrose Moisture Ash
	2.9.2 Vegetable fat or vegetable oil	Product composed of fat or oil of vegetable origin		Moisture Acid index Matter insoluble in light petroleum
3 PRODUCTS OF ANIMAL ORIGIN 3.1 Milk products	3.1.1 'Spray' skimmed milk powder, 'hatmaker' or 'roller' skimmed milk powder	Product obtained by drying skimmed milk either by vaporization in a current of hot air ('spray' skimmed milk powder) or by drying over cylinders ('hatmaker' or 'roller' skimmed milk)	Protein	Moisture Lactose Oil Ash
	3.1.2 Powdered buttermilk	Product obtained by drying buttermilk, either by vaporization in a current of hot air ('spray' powdered buttermilk) or by drying over cylinders ('hatmaker' or 'roller' powdered buttermilk)	Protein Oil Lactose	Moisture Ash
	3.1.3 Powdered whey or whey crumbs	Product obtained by drying whey	Protein Lactose	Moisture Oil Chlorides, expressed as NaCl Ash Sodium

	3.1.4 Low-sugar powdered whey	Product obtained by drying whey from which the lactose has been partly extracted	Protein Lactose	Moisture Chlorides, expressed as NaCl Ash Oil Sodium
	3.1.5 Powdered whey protein; powdered milk albumin	Products obtained by drying the protein compounds extracted from whey or milk by chemical or physical treatment	Protein	Moisture Ash Oil
3.2 Products processed from land animals	3.2.1 Blood meal	Product obtained by drying the blood of slaughtered animals and poultry. This product should be substantially free of foreign matter	Protein	Moisture Ash
	3.2.2 Meat and bone meal	Product obtained by drying and grinding meat pieces containing a high proportion of bone from warm-blooded land animals. The product should be substantially free of hair, bristle, feathers, horn, hoof, skin and blood and of the contents of the stomach and viscera. It shall be technically free of organic solvents	Protein Oil	Moisture Chlorides, expressed as NaCl Phosphorus Ash Methionine Lysine Volatile nitrogenous bases
	3.2.3 Bone meal	Product obtained by drying and grinding bone, with the fat largely removed, from warm-blooded land animals. The product should be substantially free of hair, bristle, feathers, horn, hoof, skin and blood, and of the contents of the stomach and viscera. It should also be free of splinters, and may not contain bone fragments with rough surfaces or jagged edges. It shall be technically free of organic solvents	Protein	Moisture Ash Phosphorus Oil
	Feeding bone flour	Commercially pure bone degreased and ground or crushed from which the nitrogen has been partly or wholly removed by steam	Protein Phosphorus	
	3.2.4 Meat meal (Products with a fat content of more than 11% should be described as "rich in fat")	Product obtained by drying and grinding carcases and parts of carcases of warm-blooded land animals, if need be with the fat removed by an appropriate process. It should be virtually free of hair, bristle, feathers, horn, hoof and skin and of the contents of the stomach and viscera. It shall be technically free of organic solvents.	Protein Oil	Moisture Phosphorus Chlorides, expressed as NaCl Ash insoluble in HCl Methionine Lysine Volatile nitrogenous bases

SCHEDULE 2 – *continued*

(1) *Group*	(2) *Name of material*	(3) *Meaning*	(4) *Compulsory declarations*	(5) *Optional declarations*
	3.2.5 Greaves	Product derived from residues of the manufacture of tallow and other fats of animal origin. It shall be technically free of organic solvents	Protein	Moisture Chlorides, expressed as NaCl Oil Ash
	Poultry waste	The waste from intensive poultry units which consists principally of excreta, with or without litter; and which has been suitably treated for use as a feeding stuff	Protein Protein equivalent of uric acid if 1% or greater Fibre Calcium if present in excess of 2%	
	3.2.6 Dried waste from poultry slaughter (Products with a fat content of more than 12% should be described as "rich in fat")	Product obtained by drying and grinding waste from slaughtered poultry; it should be substantially free of feathers	Protein	Moisture Chlorides, expressed as NaCl Oil Ash
	3.2.7 Hydrolyzed feather meal	Product obtained by hydrolyzing, drying and grinding poultry feathers	Protein	Moisture Ash insoluble in HCl
	3.2.8 Animal fat	Product composed of fat processed from warm-blooded land animals or from parts thereof. It shall be technically free of organic solvents		Moisture Acid index Matter insoluble in light petroleum
3.3 Products derived from fish or other marine animals	3.3.1 Fish meal (Products whose chloride content expressed as NaCl is less than 2% may be referred to as "low in salt")	Product obtained by drying and grinding whole fish, or parts thereof, of various species. Concentrated press liquid may be added	Protein Oil	Moisture Chlorides, expressed as NACl Calcium carbonate Phosphorus

	3.3.2 Cod liver oil	Oil obtained from fresh livers of fish of the cod family (*Gadidae*)	Vitamin A	Moisture Acid index Matter insoluble in light petroleum
4 MINERAL SUBSTANCES	4.1 Calcium carbonate, (The nature of the product (column 3) should be indicated in the name)	Precipitated calcium carbonate, ground limestone, prepared chalk, granulated chalk, ground oyster or mussel shells	Calcium Ash insoluble in HCl	
	4.2 Calcium and magnesium carbonate	Natural mixture of calcium carbonate and magnesium carbonate	Calcium Magnesium	
	4.3 Calcareous marine algae (Maerl)	Product of natural origin obtained from calcareous algae, ground or granulated	Calcium Ash insoluble in HCl	
	4.4 Magnesium oxide	Technically pure magnesium oxide MgO	Magnesium	
	4.5 Kieserite	Natural magnesium sulphate $MgSO_4H_2O$	Magnesium	
	4.6 Calcium monohydrogen phosphate (dicalcium phosphate) (The manufacturing process may be indicated in the name)	Product consisting of technically pure calcium monohydrogen phosphate (dicalcium phosphate)	Phosphorus Chlorides, expressed as NaCl	Calcium
	4.7 Defluorinated natural phosphate	Product obtained by grinding natural phosphates, purified and defluorinated to a greater or lesser degree	Phosphorus	Calcium
	4.8 De-gelatinized bone meal	De-gelatinized, sterilized, ground bones from which the fat has been removed	Phosphorus	Moisture Calcium
	4.9 Calcium bis-(dihydrogen phosphate) (monocalcium phosphate)	Product consisting of technically pure calcium bis-(dihydrogen phosphate) (monocalcium phosphate)	Phosphorus	Calcium
	4.10 Ammonium dihydrogen phosphate (monoammonium phosphate)	Product consisting mainly of technically pure ammonium dihydrogen phosphate	Phosphorus Nitrogen	

SCHEDULE 3

Regulation 11

LIMITS OF VARIATION

PART A

COMPOUND FEEDING STUFFS AND COMPOUND PET FOODS EXCEPT THOSE FOR DOGS OR CATS

Analytical constituents	*Limits of variation (absolute value in percentage by weight, except where otherwise specified)*
Ash	If present in excess– 2 for declarations of 10% or more 20% of the amount stated for declarations of 5% or more but less than 10% 1 for declarations less than 5% In case of deficiency– 3 for declarations of 10% or more 30% of the amount stated for declarations of 5% or more but less than 10% 1.5 for declarations less than 5%
Calcium	If present in excess 3.6 for declarations of 16% or more 22.5% of the amount stated for declarations of 12% or more but less than 16% 2.7 for declarations of 6% or more but less than 12% 45% of the amount stated for declarations of 1% or more but less than 6% 0.45 for declarations less than 1% In case of deficiency– 1.2 for declarations of 16% or more 7.5% of the amount stated for declarations of 12% or more but less than 16% 0.9 for declarations of 6% or more but less than 12% 15% of the amount stated for declarations of 1% or more but less than 6% 0.15 for declarations less than 1%
Cystine	In case of deficiency 20% of the amount stated
Fibre	If present in excess– 1.8 for all declarations In case of deficiency– 45% of the amount stated
Lysine	In case of deficiency– 15% of the amount stated
Magnesium	If present in excess– 4.5 for declarations of 15% or more 30% of the amount stated for declarations of 7.5% or more but less than 15% 2.25 for declarations of 5% or more but less than 7.5% 45% of the amount stated for declarations of 0.7% or more but less than 5% 0.3 for declarations less than 0.7% In case of deficiency– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 7.5% or more but less than 15% 0.75 for declarations of 5% or more but less than 7.5% 15% of the amount stated for declarations of 0.7% or more but less than 5% 0.1 for declarations less than 0.7%
Methionine	In case of deficiency– 15% of the amount stated
Moisture	If present in excess– 1 for declarations of 10% or more 10% of the amount stated for declarations of 5% or more but less than 10% 0.5 for declarations less than 5%

Analytical constituents	*Limits of variation (absolute value in percentage by weight, except where otherwise specified)*
Oil	If present in excess– 3 for declarations of 15% or more 20% of the amount stated for declarations of 8% or more but less than 15% 1.6 for declarations less than 8% In case of deficiency– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 8% or more but less than 15% 0.8 for declarations less than 8%
Phosphorus	If present in excess– 3.6 for declarations of 16% or more 22.5% of the amount stated for declarations of 12% or more but less than 16% 2.7 for declarations of 6% or more but less than 12% 45% of the amount stated for declarations of 1% or more but less than 6% 0.45 for declarations less than 1% In case of deficiency– 1.2 for declarations of 16% or more 7.5% of the amount stated for declarations of 12% or more but less than 16% 0.9 for declarations of 6% or more but less than 12% 15% of the amount stated for declarations of 1% or more but less than 6% 0.15 for declarations less than 1%
Protein	If present in excess– 4 for declarations of 20% or more 20% of the amount stated for declarations of 10% or more but less than 20% 2 for declarations less than 10% In case of deficiency– 2 for declarations of 20% or more 10% of the amount stated for declarations of 10% or more but less than 20% 1 for declarations less than 10%
Protein equivalent of biuret	±1.25, or ±20% of the amount stated, whichever is the greater
Protein equivalent of diureidoisobutane	±1.25, or ±20% of the amount stated, whichever is the greater
Protein equivalent of urea	±1.25, or ±20% of the amount stated, whichever is the greater
Protein equivalent of urea phosphate	±1.25, or ±20% of the amount stated, whichever is the greater
Sodium	If present in excess– 4.5 for declarations of 15% or more 30% of the amount stated for declarations of 7.5% or more but less than 15% 2.25 for declarations of 5% of more but less than 7.5% 45% of the amount stated for declarations of 0.7% or more but less than 5% 0.3 for declarations less than 0.7% In case of deficiency– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 7.5% or more but less than 15% 0.75 for declarations of 5% or more but less than 7.5% 15% of the amount stated for declarations of 0.7% or more but less than 5% 0.1 for declarations less than 0.7%

Analytical constituents	*Limits of variation (absolute value in percentage by weight, except where otherwise specified)*
Protein soluble in pepsin and hydrochloric acid	In case of deficiency– 3 for declarations of 25% or more 12% of the amount stated for declarations of 15% or more but less than 25% 1.8 for declarations less than 15%
Starch and total sugar plus starch	If present in excess– 5 for declarations of 25% or more 20% of the amount stated for declarations of 10% or more but less than 25% 2 for declarations less than 10% In case of deficiency– 2.5 for declarations of 25% or more 10% of the amount stated for declarations of 10% or more but less than 25% 1 for declarations less than 10%
Total sugar expressed as sucrose	If present in excess– 4 for declarations of 20% or more 20% of the amount stated for declarations of 10% or more but less than 20% 2 for declarations less than 10% In case of deficiency– 2 for declarations of 20% or more 10% of the amount stated for declarations of 10% or more but less than 20% 1 for declarations less than 10%

PART B

COMPOUND PET FOODS FOR DOGS OR CATS

Analytical constituents	*Limits of variations (absolute value in percentage by weight, except where otherwise specified)*
Ash	If present in excess– 1.5 for all declarations In case of deficiency– 4.5 for all declarations
Calcium	If present in excess– 3.6 for declarations of 16% or more 22.5% of the amount stated for declarations of 12% or more but less than 16% 2.7 for declarations of 6% or more but less than 12% 45% of the amount stated for declarations of 1% or more but less than 6% 0.45 for declarations less than 1% In case of deficiency– 1.2 for declarations of 16% or more 7.5% of the amount stated for declarations of 12% or more but less than 16% 0.9 for declarations of 6% or more but less than 12% 15% of the amount stated for declarations of 1% or more but less than 6% 0.15 for declarations less than 1%
Fibre	If present in excess– 1 for all declarations In case of deficiency– 3 for all declarations
Moisture	If present in excess– 3 for declarations of 40% or more 7.5% of the amount stated for declarations of 20% or more but less than 40% 1.5 for declarations less than 20%

Analytical constituents	*Limits of variations (absolute value in percentage by weight, except where otherwise specified)*
Oil	If present in excess– 5 for all declarations In case of deficiency– 2.5 for all declarations
Phosphorus	If present in excess– 3.6 for declarations of 16% or more 22.5% of the amount stated for declarations of 12% or more but less than 16% 2.7 for declarations of 6% or more but less than 12% 45% of the amount stated for declarations of 1% or more but less than 6% 0.45 for declarations less than 1% In case of deficiency– 1.2 for declarations of 16% or more 7.5% of the amount stated for declarations of 12% or more but less than 16% 0.9 for declarations of 6% or more but less than 12% 15% of the amount stated for declarations of 1% or more but less than 6% 0.15 for declarations less than 1%
Protein	If present in excess– 6.4 for declarations of 20% or more 32% of the amount stated for declarations of 12.5% or more but less than 20% 4 for declarations less than 12.5% In case of deficiency– 3.2 for declarations of 20% or more 16% of the amount stated for declarations of 12.5% or more but less than 20% 2 for declarations less than 12.5%
Sodium	If present in excess– 4.5 for declarations of 15% or more 30% of the amount stated for declarations of 7.5% or more but less than 15% 2.25 for declarations of 5% or more but less than 7.5% 45% of the amount stated for declarations of 0.7% or more but less than 5% 0.3 for declarations less than 0.7% In case of deficiency– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 7.5% or more but less than 15% 0.75 for declarations of 5% or more but less than 7.5% 15% of the amount stated for declarations of 0.7% or more but less than 5% 0.1 for declarations less than 0.7%

PART C

OTHER FEEDING STUFFS NOT COVERED BY PARTS A OR B

Analytical constituents	*Limits of variations (absolute value in percentage by weight, except where otherwise specified)*
Acid index	If present in excess– 1.5 for declarations of 15 or more 10% of the amount stated for declarations of 2 or more but less than 15 0.2 for declarations less than 2
Ash	If present in excess– 3 for declarations of 10% or more 30% of the amount stated for declarations of 5% or more but less than 10% 1.5 for declarations less than 5%
Ash insoluble in hydrochloric acid	If present in excess 10% of the amount stated for declarations above 3% 0.3 for declarations up to and including 3%
Calcium	In case of deficiency– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 2% or more but less than 15% 0.2 for declarations less than 2%
Calcium carbonate	If present in excess 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 2% or more but less than 15% 0.2 for declarations less than 2%
Carotene	In case of deficiency– 30% of the amount stated
Chlorides expressed as NaCl	If present in excess– 10% of the amount stated for declarations above 3% 0.3 for declarations up to and including 3%
Fibre	If present in excess– 2.1 for declarations of 14% or more 15% of the amount stated for declarations of 6% or more but less than 14% 0.9 for declarations less than 6%
Inulin	In case of deficiency– 3 for declarations of 30% or more 10% of the amount stated for declarations of 10% or more but less than 30% 1 for declarations less than 10%
Lysine	In case of deficiency– 20% of the amount stated
Magnesium	In case of deficiency– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 2% or more but less than 15% 0.2 for declarations less than 2%
Matter insoluble in light petroleum	If present in excess– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 2% or more but less than 15% 0.2 for declarations less than 2%
Methionine	In case of deficiency– 20% of the amount stated
Moisture	If present in excess– 1 for declarations of 10% or more 10% of the amount stated for declarations of 5% or more but less than 10% 0.5 for declarations less than 5%

Analytical constituents	*Limits of variations (absolute value in percentage by weight, except where otherwise specified)*
Oil	If present in excess– 3.6 for declarations of 15% or more 24% of the amount stated for declarations of 5% or more but less than 15% 1.2 for declarations less than 5% In case of deficiency– 1.8 for declarations of 15% or more 12% of the amount stated for declarations of 5% or more but less than 15% 0.6 for declarations less than 5%
Phosphorus	In case of deficiency– 1.5 for declarations of 15% or more 10% of the amount stated for declarations of 2% or more but less than 15% 0.2 for declarations less than 2%
Protein	In case of deficiency 2 for declarations of 20% or more 10% of the amount stated for declarations of 10% or more but less than 20% 1 for declarations less than 10%
Protein equivalent of uric acid	If present in excess– 1.25, or 25% of the amount stated, whichever is the greater
Sodium	If present in excess– 4.5 for declarations of 15% or more 30% of the amount stated for declarations of 2% or more but less than 15% 0.6 for declarations less than 2%
Starch	In case of deficiency– 3 for declarations of 30% or more 10% of the amount stated for declarations of 10% or more but less than 30% 1 for declarations less than 10%
Sugar (total sugars, reducing sugars, sucrose, lactose, glucose (dextrose))	If present in excess– 4 for declarations of 20% or more 20% of the amount stated for declarations of 5% or more but less than 20% 1 for declarations less than 5% In case of deficiency– 2 for declarations of 20% or more 10% of the amount stated for declarations of 5% or more but less than 20% 0.5 for declarations less than 5%
Volatile nitrogenous bases	If present in excess– 20% of the amount stated
Xanthophyll	In case of deficiency– 30% of the amount stated

PART D

VITAMINS AND TRACE ELEMENTS

Analytical constituents	*Limits of variations (absolute value in percentage by weight, except where otherwise specified)*
Cobalt	± 50% of the amount stated
Copper	± 30% of the amount stated for declarations above 200 mg/kg ± 50% of the amount stated for declarations up to and including 200 mg/kg
Iodine	± 50% of the amount stated
Iron	± 30% of the amount stated for declarations of 250 mg/kg or more ± 50% of the amount stated for declarations less than 250 mg/kg
Manganese	± 50% of the amount stated
Molybdenum	± 50% of the amount stated
Selenium	± 50% of the amount stated
Vitamins D_2 and D_3	± 30% of the amount stated for declarations above 4000 IU/kg ± 50% of the amount stated for declarations up to and including 4000 IU/kg
Vitamins other than D_2 and D_3	In case of deficiency– 30% of the amount stated
Zinc	± 50% of the amount stated

PART E

ENERGY VALUE OF COMPOUND FEEDING STUFFS

Feeding Stuff	*Limits of variations (absolute value in MJ of ME/kg of feed)*
Compound feeding stuffs for poultry	± 0.7

SCHEDULE 4

Regulation 15

PERMITTED ADDITIVES AND PROVISIONS RELATING TO THEIR USE

1. In this Schedule "material" means "material intended for use as a feeding stuff", and any reference to a numbered Part is a reference to the Part bearing that number in the Table in this Schedule.

2. No material shall contain any added antioxidant other than one named or described in column 2 of Part I, or any antioxidant so named or described unless, taking into account any such antioxidant which is naturally present, the maximum content (if any) specified in relation thereto in column 4 of that Part is not exceeded.

3. No material shall contain–

(a) any colourant other than one named or described in column 2 of Part II, or

(b) any colourant named or described in column 2 of Part II unless–

(i) the material is intended for an animal listed opposite the colourant in question in column 4 of that Part;

(ii) taking into account any such colourant as is naturally present, the maximum content (if any) specified in relation thereto in column 5 of that Part is not exceeded;

(iii) the material complies with the conditions (if any) specified in relation thereto in column 6 of that Part.

4.—(1) No material shall contain any added emulsifier, stabiliser, thickener or gelling agent other than one named or described in Part III, or any emulsifier or stabiliser named or described in Chapter A of Part III unless the material is to be used in accordance with the specifications, if any, laid down in respect of it in that Chapter.

(2) No material shall contain any substance named or described in column 2 of Chapter B of Part III unless–

(a) that material is intended for animals listed opposite the substance in question in column 3 of that Chapter, and

(b) taking account of any such substance which is naturally present, the maximum content (if any) specified in relation thereto in Column 4 of that Chapter is not exceeded.

5. No material shall contain any added binder, anti-caking agent or coagulant other than one named or described in Part IV, or any substance named or described in Chapter B of that Part unless–

(a) taking account of any such substance which is naturally present, the maximum content (if any) specified in relation thereto in column 4 of that Chapter is not exceeded, and

(b) the material is to be used in accordance with the conditions (if any) laid down in respect of it in column 5 of that Chapter.

6. No material shall contain any added vitamin, pro-vitamin or substance having a similar effect except that–

(i) any material for any animal of a kind specified in column 3 of Chapter A of Part V may contain added vitamin D_2 or D_3 (but not both) in proportions which, taking account of any such vitamin which is naturally present, do not exceed the maximum content specified in column 4 of the said Chapter in relation to the kinds of animal specified in column 3 thereof;

(ii) any material for any animal of a kind specified in column 3 of Chapter B of Part V may contain vitamin D_3 in proportions which, taking account of any such vitamin which is naturally present, do not exceed the maximum content specified in column 4 thereof in relation to the kinds of animal specified in column 3 of the said Chapter;

(iii) any material for any animal of a kind specified in column 3 of Chapter C of Part V may contain any vitamin, (other than vitamins D_2 or D_3) or any pro-vitamin or chemically well defined substance having a similar effect in proportions which, taking into account any such substance which is naturally present, do not exceed the maximum content (if any) specified in column 4 in relation to the kinds of animal specified in column 3 thereof.

7. No material shall contain any added trace element other than one from a source specified in columns 3 and 4 of Part VI, and no material shall contain any trace element from a source so

specified in proportions which, taking account of any such trace element which is naturally present exceed, in respect of animals listed opposite the trace element in question in column 5, the maximum content specified in relation thereto in column 6 of that Part.

8. No material shall contain any added aromatic or appetising substance other than one named or described in column 1 of Part VII, or any such substance specified which, taking account of any such substance which is naturally present, exceeds the maximum content (if any) specified in relation thereto in column 3 of that Part. No material shall contain any substance specified in column 1 of part VII unless the material is for an animal listed opposite the substance in question in column 2 of that Part.

9.—(1) No material shall contain any added preservative other than one named or described in Part VIII.

(2) No material shall contain any added preservative specified in column 2 of Chapter B of Part VIII which, taking account of any such preservative which is naturally present, exceeds, in respect of animals listed opposite the preservative in question in column 4, the maximum content specified in relation thereto in column 5; and no material shall contain any added preservative specified in column 2 of that Chapter unless the material is for animals listed opposite the preservative in question in column 4 of that Chapter, and is used in accordance with the specifications, if any, laid down in respect of it therein.

10. Material intended for use as a pet food may contain any of the acidity regulators named in Part IX.

11. Unless otherwise stated, any maximum or minimum specified in the Table for the content of any additive in any feeding stuff is so specified by reference to a complete feeding stuff with a moisture content of 12 per cent.

PART I

PERMITTED ANTIOXIDANTS

EEC No.	*Name or Description*	*Chemical Formula*	*Maximum content (mg/kg in complete feeding stuff)*
E300	L-Ascorbic acid	$C_6H_8O_6$	
E301	Sodium L-ascorbate	$C_6H_7O_6Na$	
E302	Calcium di(L-ascorbate)	$C_{12}H_{14}O_{12}Ca.2H_2O$	
E303	5,6-Diacetyl-L-ascorbic acid	$C_{10}H_{12}O_8$	
E304	6-Palmitoyl-L-ascorbic acid	$C_{22}H_{38}O_7$	
E306	Tocopherol-rich extracts of natural origin		
E307	Synthetic *alpha*-tocopherol	$C_{29}H_{50}O_2$	
E308	Synthetic *gamma*-tocopherol	$C_{28}H_{48}O_2$	
E309	Synthetic *delta*-tocopherol	$C_{27}H_{46}O_2$	
E310	Propyl gallate	$C_{10}H_{12}O_5$	100: alone or together
E311	Octyl gallate	$C_{15}H_{22}O_5$	
E312	Dodecyl gallate	$C_{19}H_{30}O_5$	
E320	Butylated hydroxyanisole (BHA)	$C_{11}H_{16}O_2$	150: alone or together
E321	Butylated hydroxtoluene (BHT)	$C_{15}H_{24}O$	
E324	Ethoxyquin	$C_{14}H_{19}ON$	

PART II

PERMITTED COLOURANTS

(1) *EEC No.*	(2) *Name or Description*	(3) *Chemical formula*	(4) *Kind of animal*	(5) *Maximum content (mg/kg in complete feeding stuff)*	(6) *Conditions*
E160c	Capsanthin	$C_{40}H_{56}O_3$			
E160e	Beta-apo-8'-carotenal	$C_{30}H_{40}O$			
E160f	Ethyl ester of beta-apo-8'-carotenoic acid	$C_{32}H_{44}O_2$			
E161b	Lutein	$C_{40}H_{56}O_2$	Poultry	80: alone or together	None
E161c	Cryptoxanthin	$C_{40}H_{56}O$			
E161e	Violaxanthin	$C_{40}H_{56}O_4$			
E161g	Canthaxanthin	$C_{40}H_{52}O_2$			
E161h	Zeaxanthin	$C_{40}H_{56}O_2$			
E161i	Citranaxanthin	$C_{33}H_{44}O$	Laying hens		
E161g	Canthaxanthin	$C_{40}H_{52}O_2$	Dogs and Cats	No limit	
			Trout and Salmon	100: alone or together with astaxanthin	Use permitted from the age of 6 months onwards
	Astaxanthin	$C_{40}H_{52}O_4$	Trout and Salmon	100: alone or together with canthaxanthin	Use permitted from the age of 6 months onwards
E131	Patent Blue V (Calcium salt of the disulphonic acid of m-hydroxy-tetra-ethyldiamino triphenyl-carbinol anhydride)		Dogs and Cats	No limit	None
			All other species of animals	No limit	Permitted only in products processed from waste products of foodstuffs, denatured cereals or manioc flour, or other base substances denatured by means of these agents or coloured during preparation to ensure identification during manufacture.
E142	Acid Brilliant Green BS (Sodium salt of 4,4'-bis (dimethylamino) diphenyl-methylene-2.naphthol-3, 6-disulphonic acid)		All species of animals except dogs and cats	No limit	
			Dogs and Cats	No limit	None

SCHEDULE 4, PART II – *continued*

(1) *EEC No.*	(2) *Name or Description*	(3) *Chemical formula*	(4) *Kind of animal*	(5) *Maximum content (mg/kg in complete feeding stuff)*	(6) *Conditions*
	All other colourants at present permitted for use in human food by European Community Directives as implemented by regulations made or having effect as if made under the Food Act 1984**(a)** or the Food and Drugs (Scotland) Act, 1956**(b)**		Dogs and Cats All other species of animals	No limit	None Permitted only in products processed from waste products of foodstuffs, or other base substances, with the exception of cereals and manioc flour, denatured by means of those agents or coloured during technical preparation to ensure the necessary identification during manufacture.

(a) 1984 c.30.
(b) 1956 c.30 (4 & 5 Eliz 2).

PART III

PERMITTED EMULSIFIERS, STABILISERS, THICKENERS AND GELLING AGENTS

CHAPTER A

EEC No.	*Name or description*
E322	Lecithins
E400	Alginic acid
E401	Sodium alginate
E402	Potassium alginate
E403	Ammonium alginate—Not permitted in aquarium fish feed
E404	Calcium alginate
E405	Propylene glycol alginate (propane-1,2-diol alginate)
E406	Agar
E407	Carrageenan
E408	Furcellaran
E410	Locust bean gum (carob gum)
E411	Tamarind seed flour
E412	Guar gum (guar flour)
E413	Tragacanth
E414	Acacia (gum arabic)
E415	Xanthan gum
E420	D-Glucitol (sorbitol)
E421	Mannitol
E422	Glycerol
E440	Pectins
E460	Microcrystalline cellulose
E461	Methylcellulose
E462	Ethylcellulose
E463	Hydroxypropylcellulose
E464	Hydroxypropylmethylcellulose
E465	Ethylmethylcellulose
E466	Carboxymethylcellulose (sodium salt of carboxymethyl ether of cellulose)
E470	Sodium, potassium and calcium salts of edible fatty acids, alone or in mixtures, derived either from edible fats or distilled edible fatty acids
E471	Monoacyl and diacylglycerols (mono- and di-glycerides of fatty acids)
E472	Monoacyl and diacylglycerols esterified with the following acids: (a) acetic (b) lactic (c) citric (d) tartaric (e) monoacetyltartaric and diacetyltartaric
E473	Sucrose esters of fatty acids (esters of saccharose and edible fatty acids)
E474	Mixture of sucrose esters of monoacyl and diacylglycerols (Sucroglycerides)
E475	Polyglycerol esters of non-polymerised edible fatty acids
E477	Propylene glycol esters of fatty acids (propane-1, 2-diol esters of fatty acids)
E480	Stearoyl-2-lactylic acid
E481	Sodium stearoyl-2-lactylate
E482	Calcium stearoyl-2-lactylate
E483	Stearyl tartrate
E484	Glycerol poly(ethylene glycol)ricinoleate
E486	Dextrans
E491	Sorbitan monostearate
E492	Sorbitan tristearate
E493	Sorbitan monolaurate
E494	Sorbitan mono-oleate
E495	Sorbitan monopalmitate

(1) *EEC No.*	(2) *Name or Description*	(3) *Kind of Animal*	(4) *Maximum content (mg/kg in complete feeding stuff)*	(5) *Conditions*
E432	Polyoxyethylene (20) sorbitan monolaurate	All species of animals	5,000 (alone or with other Polysorbates)	Milk replacer feeds only
E433	Polyoxyethylene (20) sorbitan mono-oleate			
E434	Polyoxyethylene (20) sorbitan monopalmitate			
E435	Polyoxyethylene (20) sorbitan monostearate			
E436	Polyoxyethylene (20) sorbitan tristearate			
	Polyoxyethylene (20) sorbitan trioleate			All feeding stuffs
E450b (i)	*penta*Sodium triphosphate	Dogs, cats	5,000	All feeding stuffs
E487	Polyethyleneglycol esters of fatty acids from soya oil	Calves	6,000	Milk replacer feeds only
E488	Polyoxyethylated glycerides of tallow fatty acids	Calves	5,000	Milk replacer feeds only
E489	Ethers of polyglycerol and of alcohols obtained by the reduction of oleic and palmitic acids	Calves	5,000	Milk replacer feeds only
E490	Propane-1,2-diol	Dairy cows	12,000	All feeding stuffs
		Calves Cattle for fattening Lambs Kids Swine Poultry	36,000	
E496	Poly(ethylene glycol) 6,000	All species of animals	300	
E497	Polyoxypropylene – polyoxyethylene polymers (M.W. 6,800–9,000)		50	
E498	Partial polyglycerol esters of polycondensed fatty acids of castor oil (polyglycerol polyricinoleate)	Dogs	No limit	All feeding stuffs

PART IV

PERMITTED BINDERS, ANTI-CAKING AGENTS AND COAGULANTS

CHAPTER A

EEC No	*Name or Description*	*Chemical formula*
E330	Citric acid	$C_6H_8O_7$
E470	Sodium, potassium and calcium stearates	$C_{18}H_{35}O_2Na$ $C_{18}H_{35}O_2K$ and $C_{36}H_{70}O_4Ca$
E551a	Silicic acid (precipitated and dried)	—
E551b	Colloidal silica	—
E551c	Kieselguhr (diatomaceous earth, purified)	—
E552	Calcium silicate (synthetic)	—
E554	Sodium aluminosilicate (synthetic)	—
E559	Kaolin and kaolinitic clays free of asbestos (naturally occurring mixtures of minerals containing at least 65% complex hydrated aluminium silicates whose main constituent is kaolinite)	—
E560	Natural mixtures of steatite and chlorite free of asbestos (min. purity of the mixture: 85%)	—
E561	Vermiculite (hydrated silicate of magnesium, aluminium and iron, expanded by heating, free of asbestos:– max. fluorine content – 0.3%)	—
E565	Lignosulphonates	—

CHAPTER B

(1) *EEC No*	(2) *Name or description*	(3) *Kind of animal*	(4) *Maximum content (mg/kg in complete feeding stuffs)*	(5) *Conditions*
E558	Bentonite and montmorillonite	All species of animals	20,000	All feeding stuffs (Mixing of antibiotic growth promoters and coccidiostats with feeding stuffs and ingredients in the presence of these additives is prohibited except for tylosin, monensin sodium, narasin, ipronidazole, lasalocid sodium, avoparcin, flavophospholipol, salinomycin sodium, ronidazole and virginiamycin)
E516	Calcium sulphate dihydrate	All species of animals	30,000	All feeding stuffs

PART V

VITAMINS, PRO-VITAMINS AND SUBSTANCES HAVING A SIMILAR EFFECT

(1) *EEC No.*	(2) *Vitamin*	(3) *Kind of Animal*	(4) *Maximum content (international units per kilogram in complete feeding stuff)*
		CHAPTER A	
		Pigs	2,000
		Piglets	10,000 in milk replacer feeds only
E670	Vitamin D_2	Cattle	4,000
	or	Calves	10,000 in milk replacer feeds only
		Sheep	4,000
E671	Vitamin D_3	Lambs	10,000 in milk replacer feeds only
		Horses	4,000
		Other kinds except poultry	2,000
		CHAPTER B	
E671	Vitamin D_3	Chickens for fattening Turkeys	5,000
		Other poultry	3,000
		CHAPTER C	
	Other vitamins, pro-vitamins and chemically well defined substances having a similar effect	All animals	No limit

PART VI

TRACE ELEMENTS

(1) *EEC No*	(2) *Element*	(3) *Name of Additive*	(4)	(5) *Kind of animal*	(6) *Maximum content of the element (mg/kg in complete feeding stuff)*
E1	Iron – Fe	Ferrous fumarate	$FeC_4H_2O_4$	All animals	1,250 (total)
		Ferrous citrate	$Fe_3(C_6H_5O_7)_2.6H_2O$		
		Ferrous carbonate	$FeCO_3$		
		Ferrous chloride	$FeCl_2.4H_2O$		
		Ferric chloride	$FeCl_3.6H_2O$		
		Ferric oxide	Fe_2O_3		
		Ferrous sulphate	$FeSO_4.7H_2O$		
		Ferrous lactate	$Fe(C_3H_5O_3)_2.3H_2O$		
E2	Iodine – I	Calcium iodate	$Ca(IO_3)_2.6H_2O$		40 (total)
		Anhydrous calcium iodate	$Ca(IO_3)_2$		
		Sodium iodide	NaI		
		Potassium iodide	KI		
E3	Cobalt – Co	Cobaltous acetate	$Co(CH_3COO)_2.4H_2O$		10 (total)
		Basic cobaltous carbonate	$2CoCO_3.3Co(OH)_2.H_2O$		
		Cobaltous chloride	$COCl_2.6H_2O$		
		Cobaltous sulphate	$CoSO_4.7H_2O$		
		Cobaltous sulphate, monohydrate	$CoSO_4.H_2O$		
		Cobaltous nitrate	$Co(NO_3)_2.6H_2O$		
E4	Copper – Cu	Cupric acetate	$Cu(CH_3COO)_2.H_2O$	Pigs for fattening over 6 months	35 (total)
		Cupric methionate	$Cu(C_5H_{10}NO_2S)_2$	Breeding pigs	35 (total)
		Basic cupric carbonate, monohydrate	$CuCO_3.Cu(OH)_2.H_2O$	Calves:	
		Cupric chloride	$CuCl_2.2H_2O$	– milk substitutes	30 (total)
		Cupric oxide	CuO	– other feeding stuffs	50 (total)
		Cupric sulphate	$CuSO_4.5H_2O$	Sheep	15 (total)
				Other species or categories of animals	35 (total)

SCHEDULE 4, PART VI – *continued*

(1) *EEC No*	(2) *Element*	(3) *Name of Additive*	(4)	(5) *Kind of animal*	(6) *Maximum content of the element (mg/kg in complete feeding stuff)*
E5	Manganese – Mn	Manganous carbonate	$MnCO_3$	All animals	250 (total)
		Manganous chloride	$MnCl_2.4H_2O$		
		Manganous hydrogen phosphate	$MnHPO_4.3H_2O$		
		Manganous oxide	MnO		
		Manganic oxide	Mn_2O_3		
		Manganous sulphate	$MnSO_4.4H_2O$		
		Manganous sulphate, monohydrate	$MnSO_4.H_2O$		
E6	Zinc – Zn	Zinc lactate	$Zn(C_3H_5O_3)_2.3H_2O$		
		Zinc acetate	$Zn(CH_3.COO)_2.2H_2O$		
		Zinc carbonate	$ZnCO_3$		
		Zinc chloride, monohydrate	$ZnCl_2.H_2O$		
		Zinc oxide	ZnO		
		Zinc sulphate	$ZnSO_4.7H_2O$		
		Zinc sulphate, monohydrate	$ZnSO_4.H_2O$		
E7	Molybdenum – Mo	Ammonium molybdate	$(NH_4)_6Mo_7O_{24}.4H_2O$		2.5 (total)
		Sodium molybdate	$Na_2MoO_4.2H_2O$		
E8	Selenium – Se	Sodium selenite	Na_2SeO_3		0.5 (total)
		Sodium selenate	Na_2SeO_4		

PART VII

AROMATIC AND APPETISING SUBSTANCES

(1) *Name or Description*	(2) *Kind of Animal*	(3) *Maximum content (mg/kg in complete feeding stuff)*
All natural products and corresponding synthetic products	All animals	No limit

PART VIII

PERMITTED PRESERVATIVES

CHAPTER A

(1) *EEC No.*	(2) *Name or Description*	(3) *Chemical Formula*
E200	Sorbic acid	$C_6H_8O_2$
E201	Sodium sorbate	$C_6H_7O_2Na$
E202	Potassium sorbate	$C_6H_7O_2K$
E203	Calcium sorbate	$C_{12}H_{14}O_4Ca$
E236	Formic acid	CH_2O_2
E237	Sodium formate	CHO_2Na
E238	Calcium formate	$C_2H_2O_4Ca$
E260	Acetic acid	$C_2H_4O_2$
E261	Potassium acetate	$C_2H_3O_2K$
E262	Sodium diacetate	$C_4H_7O_4Na$
E263	Calcium acetate	$C_4H_6O_4Ca$
E270	Lactic acid	$C_3H_6O_3$
E280	Propionic acid	$C_3H_6O_2$
E281	Sodium propionate	$C_3H_5O_2Na$
E282	Calcium propionate	$C_6H_{10}O_4Ca$
E283	Potassium propionate	$C_3H_5O_2K$
E284	Ammonium propionate	$C_3H_9O_2N$
E295	Ammonium formate	CH_5O_2N
E296	DL-Malic acid	$C_4H_6O_5$
E297	Fumaric acid	$C_4H_4O_4$
E325	Sodium lactate	$C_3H_5O_3Na$
E326	Potassium lactate	$C_3H_5O_3K$
E327	Calcium lactate	$C_6H_{10}O_6Ca$
E330	Citric acid	$C_6H_8O_7$
E331	Sodium citrates	—
E332	Potassium citrates	—
E333	Calcium citrates	—
E334	L-Tartaric acid	$C_4H_6O_6$
E335	Sodium L-tartrates	—
E336	Potassium L-tartrates	—
E337	Potassium sodium L-tartrate	$C_4H_4O_6KNa.4H_2O$
E338	Orthophosphoric acid	H_3PO_4
E507	Hydrochloric acid for use in silage only	HCL
E513	Sulphuric acid for use in silage only	H_2SO_4

(1) *EEC No.*	(2) *Name or Description*		(3) *Chemical formula*	(4) *Kind of Animal*	(5) *Maximum content (mg/kg in complete feeding stuff)*
E222	Sodium hydrogensulphite (sodium bisulphite)	Not permitted in unprocessed meat and fish	$NaHSO_3$	Dogs and Cats	500 alone or together expressed as SO_2
E223	*di*Sodium disulphite (sodium metabisulphite)		$Na_2S_2O_5$		
E250	Sodium nitrite		$NaNO_2$	Dogs and Cats	100 (canned feeding stuffs only)
E214	Ethyl 4-hydroxybenzoate		$C_9H_{10}O_3$	Pet animals	No limit
E215	Sodium ethyl 4-hydroxybenzoate		$C_9H_9O_3Na$		
E216	Propyl 4-hydroxybenzoate		$C_{10}H_{12}O_3$		
E217	Sodium propyl 4-hydroxybenzoate		$C_{10}H_{11}O_3Na$		
E218	Methyl 4-hydroxybenzoate		$C_8H_8O_3$		
E219	Sodium methyl 4-hydroxybenzoate		$C_8H_7O_3Na$		
E490	Propane-1,2-diol		$C_3H_8O_2$	Cats Dogs	75,000 53,000
E240	Formaldehyde		CH_2O	All species of animal Pigs up to the age of six months	No limit (for silage only) 600 (in skimmed milk only)

PART IX

PERMITTED ACIDITY REGULATORS FOR PET FOODS

EEC No.	*Additive*
E170	Calcium carbonate
296	DL- and L-Malic acid
—	Ammonium dihydrogen orthophosphate
—	*di*Ammonium hydrogen orthophosphate
E339(i)	Sodium dihydrogen orthophosphate
E339(ii)	*di*Sodium hydrogen orthophosphate
E339(iii)	*tri*Sodium orthophosphate
E340(i)	Potassium dihydrogen orthophosphate
E340(ii)	*di*Potassium hydrogen orthophosphate
E340(iii)	*tri*Potassium orthophosphate
E341(i)	Calcium tetrahydrogen diorthophosphate
E341(ii)	Calcium hydrogen orthophosphate
350(i)	Sodium malate (Salt of DL- or L-Malic Acid)
E450(a)(i)	*di*Sodium dihydrogen diphosphate
E450(a)(iii)	*tetra*Sodium diphosphate
E450(a)(iv)	*tetra*Potassium diphosphate
E450(b)(i)	*penta* Sodium triphosphate
E450(b)(ii)	*penta*Potassium triphosphate
500(i)	Sodium carbonate
500(ii)	Sodium hydrogen carbonate
500(iii)	Sodium sesquicarbonate
501(ii)	Potassium hydrogen carbonate
503(i)	Ammonium carbonate
503(ii)	Ammonium hydrogen carbonate
E507	Hydrochloric acid
510	Ammonium chloride
E513	Sulphuric acid
524	Sodium hydroxide
529	Calcium oxide
540	*di*Calcium diphosphate

SCHEDULE 5

Regulation 16

PRESCRIBED LIMITS FOR UNDESIRABLE SUBSTANCES

PART I

FEEDING STUFFS

(1) *Substances*	(2) *Feeding stuffs*	(3) *Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%*
	CHAPTER A	
Arsenic	Straight feeding stuffs	2
	except:	
	– meal made from grass, from dried lucerne, or from dried clover	4
	– dried sugar beet pulp or dried molassed sugar beet pulp	4
	– phosphates and feeding stuffs obtained from the processing of fish or other marine animals	10
	Complete feeding stuffs	2
	Complementary feeding stuffs	4
	except:	
	– mineral feeding stuffs	12
Cadmium	Straight feeding stuffs of vegetable origin	1
	Straight feeding stuffs of animal origin (with the exception of feeding stuffs for pets)	2
	Phosphates	10
	Complete feeding stuffs for cattle, sheep and goats (with the exception of complete feeding stuffs for calves, lambs and kids)	1
	Other complete feeding stuffs (with the exception of feeding stuffs for pets)	0.5
	Mineral feeding stuffs	5
	Other complementary feeding stuffs for cattle, sheep and goats	0.5
Fluorine	Straight feeding stuffs	150
	except:	
	– feeding stuffs of animal origin	500
	– phosphates	2000
	Complete feeding stuffs	150
	except:	
	– complete feeding stuffs for cattle, sheep and goats	
	– in milk	30
	– other	50
	– complete feeding stuffs for pigs	100
	– complete feeding stuffs for poultry	350
	– complete feeding stuffs for chicks	250
	Mineral mixtures for cattle, sheep and goats	2000
	Other complementary feeding stuffs	125 (fluorine content per percentage point phosphorus in the feeding stuff)

SCHEDULE 5 – *continued*

(1) *Substances*	(2) *Feeding stuffs*	(3) *Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%*
Lead	Straight feeding stuffs except: – grass meal, lucerne meal or clover meal – phosphates – yeast Complete feeding stuffs Complementary feeding stuffs except: – mineral feeding-stuffs	10 40 30 5 5 10 30
Mercury	Straight feeding stuffs except: – feeding stuffs produced by the processing of fish or other marine animals Complete feeding stuffs except: – complete feeding stuffs for dogs or cats Complementary feeding stuffs (with the exception of complementary feeding stuffs for dogs and cats)	0.1 0.5 0.1 0.4 0.2
Nitrites	Fish meal Complete feeding stuffs except feeding stuffs intended for pets other than birds and aquarium fish	60 (expressed as sodium nitrite) 15 (expressed as sodium nitrite)

SCHEDULE 5 – *continued*

(1) *Substances*	(2) *Feeding stuffs*	(3) *Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%*
	CHAPTER B	
Aflatoxin B_1	Straight feeding stuffs	0.05
	Complete feeding stuffs for cattle, sheep and goats (except dairy animals, calves, lambs and kids)	0.05
	Complete feeding stuffs for pigs and poultry (except piglets and chicks)	0.02
	Other complete feeding stuffs	0.01
	Complementary feeding stuffs for cattle, sheep and goats (except complementary feeding stuffs for dairy animals, calves and lambs)	0.05
	Complementary feeding stuffs for pigs and poultry (except young animals)	0.03
	Other complementary feeding stuffs	0.01
Castor oil plant *Ricinus communis L.*	All feeding stuffs	10 (expressed in terms of castor oil plant husks)
Crotalaria L. spp	All unmilled materials	100
Free Gossypol	Straight feeding stuffs	20
	except:	
	– cotton cake or meal	1200
	Complete feeding stuffs	20
	except:	
	– complete feeding stuffs for cattle, sheep and goats	500
	– complete feeding stuffs for poultry (except laying hens) and calves	100
	– complete feeding stuffs for rabbits and pigs (except piglets)	60
Hydrocyanic acid	Straight feeding stuffs	50
	except:	
	– linseed	250
	– linseed cake or meal	350
	– manioc products and almond cakes	100
	Complete feeding stuffs	50
	except:	
	– complete feeding stuffs for chicks	10
Rye Ergot *Claviceps purpurea* (Fr.) Tul	All feeding stuffs containing unground cereals	1000

SCHEDULE 5 – *continued*

(1) *Substances*	(2) *Feeding stuffs*	(3) *Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%*
	CHAPTER C	
Apricot – *Prunus armeniaca* L. Bitter almond – *Prunus dulcis* (Mill.) D A Webb var. *amara* (DC.) Focke (= *Prunus amygdalus* Batsch var. *amara* (DC.) Focke) Unhusked beech mast – *Fagus silvatica* L. Camelina – *Camelina sativa* (L) Crantz Mowrah, bassia, madhuca – *Madhuca longifolia* (L) Macbr. (= *Bassia longifolia* L. = *Illipe Madhuca longifolia* L. = *Illipe malabrorum* Engl.) *Madhuca indica* Gmelin. (= *Bassia latifolia* (Roxb.) F. Mueller) Purghera – *Jatropha curcas* L. Croton – *Croton tiglium* L. Indian mustard – *Brassica juncea* (L.) Czern. and Coss. ssp. *integrifolia* (West.) Thell Sareptian mustard – *Brassica juncea* (L.) Czern. and Coss. ssp. *juncea* Chinese mustard – *Brassica juncea* (L.) Czern. and Coss. ssp. *juncea* var. *lutea* Batalin Black mustard – *Brassica nigra* (L.) Koch Ethiopian mustard – *Brassica carinata* A Braun.	All feeding stuffs	Seeds and fruits of the plant species listed opposite as well as their processed derivatives may only be present in feeding stuffs in trace amounts not quantitatively determinable

SCHEDULE 5 – *continued*

(1) *Substances*	(2) *Feeding stuffs*	(3) *Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%*
Theobromine	Complete feeding stuffs except: – complete feeding stuffs for adult cattle	300 700
Vinylthiooxazolidone	Complete feeding stuffs for poultry except: – complete feeding stuffs for laying hens	1,000 500
Volatile mustard oil	Straight feeding stuffs except: – rape cake or meal	100 (expressed as allyl isothiocyanate) 4,000 (expressed as allyl isothiocyanate)
	Complete feeding stuffs except: complete feeding stuffs for cattle, sheep and goats, (except calves, lambs and kids)	150 (expressed as allyl isothiocyanate) 1,000 (expressed as allyl isothiocyanate)
	– complete feeding stuffs for pigs (except piglets) and poultry	500 (expressed as allyl isothiocyanate)
Weed seeds and unground and uncrushed fruit containing alkaloids, glucoside or other toxic substances separately or in combination including:–	All feeding stuffs	3,000
(a) *Lolium temulentum* L.		1,000
(b) *Lolium remotum* Schrank		1,000
(c) *Datura stramonium* L.		1,000

SCHEDULE 5 – *continued*

(1) *Substances*	(2) *Feeding stuffs*	(3) *Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%*
	CHAPTER D	
Aldrin } singly or Dieldrin } combined expressed as dieldrin	All feeding stuffs	0.01
	except fats	0.2
Camphechlor (Toxaphene)	All feeding stuffs	0.1
Chlordane (sum of cis and trans isomers and of oxychlordane)	All feeding stuffs	0.02
	except fats	0.05
DDT (sum of DDT, TDE and DDE isomers, expressed as DDT)	All feeding stuffs	0.05
	except fats	0.5
Endosulphan (sum of alpha and beta isomers and of endosulphan sulphate, expressed as endosulphan)	All feeding stuffs	0.1
	except – maize	0.2
	– oilseeds	0.5
	– complete feeding stuffs for fish	0.005
Endrin (sum of endrin and delta, keto endrin, expressed as endrin)	All feeding stuffs	0.01
	except fats	0.05
Heptachlor (sum of heptachlor and of hèptachlor epoxide, expressed as heptachlor)	All feeding stuffs	0.01
	except fats	0.2
Hexachlorobenzene (HCB)	All feeding stuffs	0.01
	except fats	0.2
Hexachlorocyclohexane (HCH) – alpha isomer	All feeding stuffs	0.02
	except fats	0.2
– beta isomer	Straight feeding stuffs	0.01
	except fats	0.1
	Compound feeding stuffs	0.01
	except compound feeding stuffs for dairy cattle	0.005
– gamma isomer	All feeding stuffs	0.2
	except fats	2.0

SCHEDULE 5 – *continued*

PART II

INGREDIENTS

(1) *Substances*	(2) *Ingredients*	(3) *Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%*
Aflatoxin B_1	Groundnut, copra, palm-kernel, cotton seed, babassu, maize and products derived from the processing thereof	0.2
Cadmium	Phosphates	15

SCHEDULE 6

Regulation 7(2)

CATEGORIES OF INGREDIENTS WITH DESCRIPTIONS FOR USE IN RELATION TO COMPOUND FEEDING STUFFS FOR PET ANIMALS

Description of the Category	*Definition*
1. Meat and animal derivatives	All the fleshy parts of slaughtered warm-blooded land animals fresh or preserved by appropriate treatment, and all products and derivatives of the processing of the carcase or parts of the carcase of such animals.
2. Milk and milk derivatives	All milk products, fresh or preserved by appropriate treatment and derivatives from the processing thereof.
3. Eggs and egg derivatives	All egg products fresh or preserved by appropriate treatment, and derivatives from the processing thereof.
4. Oils and fats	All animal and vegetable oils and fats.
5. Yeasts	All yeasts, the cells of which have been killed and dried.
6. Fish and fish derivatives	Fish or parts of fish, fresh or preserved by appropriate treatment, and derivatives from the processing thereof.
7. Cereals	All types of cereal, regardless of their presentation, or products made from the starchy endosperm.
8. Vegetables	All types of vegetables and legumes, fresh or preserved by appropriate treatment.
9. Derivatives of vegetable origin	Derivatives resulting from the treatment of vegetable products in particular cereals, vegetables, legumes and oil seeds.
10. Vegetable protein extracts	All products of vegetable origin in which the proteins have been concentrated by an adequate process to contain at least 50% crude protein, as related to the dry matter, and which may be restructured or textured.
11. Minerals	All inorganic substances suitable for animal feed.
12. Various sugars	All types of sugar.
13. Fruit	All types of fruit, fresh or preserved by appropriate treatment.
14. Nuts	All kernels from shells.
15. Seeds	All types of seeds as such or roughly crushed.
16. Algae	Algae, fresh or preserved by appropriate treatment.
17. Molluscs and crustaceans	All types of molluscs, crustaceans, shellfish, fresh or preserved by appropriate treatment, and their processing derivatives.
18. Insects	All types of insects in any stage of development.
19 Bakery products	All bread, cakes, biscuits and pasta products.

SCHEDULE 7

Regulation 18 and
Schedule 1, paragraph 17

CONTROL OF CERTAIN PROTEIN SOURCES

(1) *Name of product group*	(2) *Permitted products*	(3) *Designation of nutritive principle or identity of micro-organism*	(4) *Culture substrate (specifications, if any)*	(5)[1] *Composition characteristics of product*	(6) *Animal species*	(7)[1] *Name of product and specified particulars*
1. Proteins obtained from the following groups of micro-organisms						
1.1. *Bacteria*						
1.1.1 Bacteria cultivated on methanol	1.1.1.1 Protein product of fermentation obtained by culture of *Methylophilus methylotrophus* on methanol	*Methylophilus methylotrophus* NCIB strain 10.515	Methanol	Crude protein: min 68%— Reflectance index: at least 50	Pigs, calves, poultry and fish	Declarations to be made on the label or packaging of the product: – name of the product; – crude protein; – crude ash; – crude fat; – moisture content; – instructions for use; – avoid inhalation of dust. Declarations to be made on the label or packaging of compound feeding stuffs: – amount of the product contained in the feeding stuff.

[1] The contents laid down or to be declared in accordance with Columns 5 and 7 refer to the product as such.

SCHEDULE 7 – *continued*

(1) *Name of product group*	(2) *Permitted products*	(3) *Designation of nutritive principle or identity of micro-organism*	(4) *Culture substrate (specifications, if any)*	(5)[1] *Composition characteristics of product*	(6) *Animal species*	(7)[1] *Name of product and specified particulars*
1.2. *Yeasts*						
1.2.1. Yeasts cultivated on substrates of animal or vegetable origin	– Yeasts obtained from the micro-organisms and substrates listed in columns 3 and 4, the cells of which have been killed	Saccharomyces cerevisiae Saccharamyces carlsbergensis Kluyveromyces lactis Kluyveromyces fragilis	Molasses, distillery residues, cereals and products containing starch, fruit juice, whey, lactic acid, hydrolized vegetable fibres.	—	All animal species	—
1.2.2. Yeasts cultivated on substrates other than those given in 1.2.1						
1.3. *Algae*						
1.4. *Lower fungi*						
2. Non-protein nitrogenous compounds						
2.1. Urea and its derivatives	2.1.1. Urea, technically pure	$CO(NH_2)_2$	—	Urea: min. 97%	Ruminants from the beginning of rumination	Declarations to be made on the label or packaging of the product: – the name: "Urea", "Biuret", "Urea-phosphate" or "Diureidoisobutane", as the case may be; – nitrogen level; and in addition for product 2.1.3, phosphorus level; – animal species or category
	2.1.2. Biuret, technically pure	$(CONH_2)_2$-NH	—	Biuret: min. 97%		
	2.1.3. Urea-phosphate, technically pure	$CO(NH_2)_2.H_3PO_4$	—	Nitrogen: min. 16.5% Phosphorus: min. 18%		
	2.1.4. Diurei-doisobutane, technically pure	$(CH_3)_2$-$(CH)_2$-$(NHCONH_2)_2$	—	Nitrogen: min. 30% Isobutyraldehyde: min. 35%		

						Declarations to be made on the label or packaging of compound feedingstuffs: – the name "Urea", "Biuret", "Urea-phosphate" or "Diureidoisobutane" as the case may be; – amount of the product contained in the feedingstuff; – percentage of the total crude protein provided by non-protein nitrogen; – indication, in the instructions for use, of the level of total non-protein nitrogen which should not be exceeded in the daily ration of each animal species or category.

(1) The contents laid down or to be declared in accordance with Columns 5 and 7 refer to the product as such.

SCHEDULE 7 – *continued*

(1) *Name of product group*	(2) *Permitted products*	(3) *Designation of nutritive principle or identity of micro-organism*	(4) *Culture substrate (specifications, if any)*	(5)[1] *Composition characteristics of product*	(6) *Animal species*	(7)[1] *Name of product and specified particulars*
2.2. Ammonium salts	2.2.1. Ammonium lactate, produced by fermentation with *Lactobacillus bulgaricus*	$CH_3CHOHCOONH_4$	Whey	Nitrogen expressed as crude protein: min. 44%	Ruminants from the beginning of rumination	Declarations to be made on the label or packaging of the product: – the name: "Ammonium lactate from fermentation"; – nitrogen expressed as crude protein; – crude ash; – moisture; – animal species or category Declarations to be made on the label or packaging of compound feedingstuffs: – the name: "Ammonium lactate from fermentation"; – amount of product contained in the feedingstuff; – percentage of the total crude protein provided by non-protein nitrogen; – indication, in the instructions for use of the level of total non-protein nitrogen which should not be exceeded in the daily ration of each animal species or category.

	2.2.2 Ammonium acetate in aqueous solution	CH_3COONH_4	—	Ammonium acetate: min. 55%	Ruminants, from the start of rumination	Declarations to be made on the label or packaging of the product: – the words "Ammonium acetate"; – nitrogen content; – moisture content; – animal species or category. Declarations to be made on the label or packaging of compound feeding stuffs: – the words "Ammonium acetate"; – the amount of the product contained in the feeding stuff; – percentage of the total crude protein provided by non-protein nitrogen; – indication in the instructions for use of the level of total non-protein nitrogen which should not be exceeded in the daily ration for each animal species or category.

(1) The contents laid down or to be declared in accordance with Columns 5 and 7 refer to the product as such.

SCHEDULE 7 – *continued*

(1) *Name of product group*	(2) *Permitted products*	(3) *Designation of nutritive principle or identity of micro-organism*	(4) *Culture substrate (specifications, if any)*	(5)[1] *Composition characteristics of product*	(6) *Animal species*	(7)[1] *Name of product and specified particulars*
2.3. By-products from the production of amino acids by fermentation	2.3.1. Concentrated liquid by-products from the production of L-glutamic acid by fermentation with *Corynebacterium melassecola*	Ammonium salts and other nitrogenous compounds	Sucrose, molasses, starch products and their hydrolysates	Nitrogen expressed as crude protein: min. 48% Moisture: max. 28%	Ruminants from the beginning of rumination	Declarations to be made on the label or packaging of the product: – the name "by-products from the production of L-glutamic acid" in the case of product 2.3.1; "by-products from the production of L-lysine" in the case of product 2.3.2. – nitrogen, expressed as crude protein; – crude ash; – moisture; – animal species or category. Declarations to be made on the label or packaging of compound feedingstuffs: – percentage of the total crude protein provided by non-protein nitrogen; – indication, in the instructions for use, of the level of total non-protein nitrogen which should not be exceeded in the daily ration of each animal species or category.
	2.3.2. Concentrated liquid by-products from the production of L-lysine monohydrochloride by fermentation with *Brevibacterium lactofermentum*	Ammonium salts and other nitrogenous compounds	Sucrose, molasses, starch products and their hydrolysates	Nitrogen expressed as crude protein: min. 45%	Ruminants from the beginning of rumination	

3.	Amino acids and their salts	3.1. DL-methionine, technically pure	$CH_3S(CH_2)_2$-CH(NH_2)-COOH	—	DL-methionine: min. 98%	All animal species	Declarations to be made on the label or packaging of the product: – the name: "DL-methionine", in the case of product 3.1; "Dihydrated calcium salt of N-hydroxymethyl-DL-methionine" in the case of product 3.2.; – DL-methionine and moisture contents; – animal species or category in the case of product 3.2.
		3.2. Dihydrated calcium salt of N-hydroxy-methyl-DL-methionine, technically pure	$(CH_3S(CH_2)_2$-CH(NH-$CH_2OH)$-$COO)_2Ca.2H_2O$	—	DL-methionine: min. 67% Formaldehyde: max. 14% Calcium: min. 9%	Ruminants from the beginning of rumination	
		3.3. L-lysine, technically pure	NH_2-$(CH_2)_4$-CH(NH_2)-COOH	—	L-lysine: min. 98%	All animal species	Declarations to be made on the label or packaging of the product: – the name: "L-lysine" in the case of product 3.3.; "L-lysine-monohydrochloride" in the case of product 3.4.; – "L-lysine sulphate and its by-products from fermentation" in the case of product 3.5; – L-lysine and moisture contents
		3.4. L-lysine monohydrochloride, technically pure	$NH_2(CH_2)_4$-CH(NH_2)-COOH.HCl	—	L-lysine: min. 78%		
		3.5. L-lysine sulphate produced by fermentation with *Corynebacterium glutamicum*	$(NH_2$-$(CH_2)_4$-CH(NH_2)-$COOH)_2.H_2SO_4$	Sugar syrup, molasses, cereals, starch products and their hydrolysates	L-lysine: min. 40%		
		3.6. L-threonine, technically pure	CH_3-CH(OH)-CH(NH_2)-COOH	—	L-threonine: min. 98%	All animal species	Declarations to be made on the label or packaging of the product: – the name: "L-threonine"; – L-threonine and moisture contents

(1) The contents laid down or to be declared in accordance with Columns 5 and 7 refer to the product as such.

SCHEDULE 7 – *continued*

(1) *Name of product group*	(2) *Permitted products*	(3) *Designation of nutritive principle or identity of micro-organism*	(4) *Culture substrate (specifications, if any)*	(5)[1] *Composition characteristics of product*	(6) *Animal species*	(7)[1] *Name of product and specified particulars*
	3.7. L-tryptophan, technically pure	(C_8H_5NH)-CH_2-$CH(NH_2)$-COOH	—	L-tryptophan min. 98%	All animal species	Declarations to be made on the label or packaging of the product: – the name: "L-tryptophan"; – L-tryptophan and moisture contents
	3.8. DL-tryptophan, technically pure	(C_8H_5NH)-CH_2-$CH(NH_2)$-COOH	—	DL-tryptophan min. 98%	All animal species	Declarations to be made on the label or packaging of the product: – the name "DL-tryptophan" – DL-tryptophan and moisture contents
	3.9. Zinc methionine, technically pure	$[CH_3S(CH_2)_2$-$CH(NH_2)$-$COO]_2Zn$	—	DL-methionine min. 80% Zn: max. 18.5%	Ruminants from the start of rumination	Declarations to be made on the label or packaging of the product: – the words "Zinc methionine"; – DL-methionine content; – moisture content; – animal species or category
4. Hydroxy-analogues of amino acids	4.1. DL-2-hydroxy-4-methylmercapto-butyric acid	CH_3S-$(CH_2)_2$-$CH(OH)$-COOH	—	Monomer acid: min. 65%	All animals species except ruminants	Declarations to be made on the label or packaging of the product: – name (column 2); – monomer acid and moisture contents; – animal species or category
	4.2. Calcium salt of DL-2-hydroxy-4-methylmercapto-butyric acid	$(CH_3S$-$(CH_2)_2$-$CH(OH)$-$COO)_2Ca$	—	Monomer acid: min. 83% Calcium: min. 12%		

[1] The contents laid down or to be declared in accordance with Columns 5 and 7 refer to the product as such.

SCHEDULE 8

Regulation 19

LABELLING AND MARKING OF ADDITIVES AND PREMIXTURES

PART I

ADDITIVES

1. The label or mark shall give–

(a) in the case of any additive,
  (i) the name of the additive;
  (ii) the name or business name and the address or registered business address of the person responsible within the European Economic Community for the particulars referred to in this Part of this Schedule;

(b) in the case of vitamin E,
  (i) the alpha-tocopherol level as acetate;
  (ii) an indication of the period during which that level will remain present;

(c) in the case of any vitamin other than vitamin E, or any added provitamin or substance having a similar effect,
  (i) the active substance level;
  (ii) an indication of the period during which that level will remain present;

(d) in the case of any trace element, colourant (including pigment), preservative or other additive not specified above, the active substance level.

2. The label or mark may give, in addition to the name used in relation to any additive in the Table to Schedule 4–

(a) the trade name of the additive and its EEC number;

(b) the name or business name and the address or registered business address of the manufacturer;

(c) directions for use, including any appropriate safety recommendation.

PART II

PREMIXTURES

1. The label or mark shall give–

(a) in the case of any premixture,
  (i) the description "premixture";
  (ii) directions for use, including any appropriate safety recommendation;
  (iii) the species or category of animal for which the premixture is intended;
  (iv) the name or business name and the address or registered business address of the person responsible within the European Economic Community for the particulars referred to in this Part of this Schedule;

(b) in the case of any antioxidant, colourant (including pigment), trace element or preservative in a premixture for which a maximum content in a complete feeding stuff is provided for by the appropriate Part of the Table to Schedule 4,
  (i) the name of the additive;
  (ii) the active substance level

(c) in the case of vitamin E in a premixture,
  (i) the name of the additive;
  (ii) the alpha-tocopherol level as acetate;
  (iii) an indication of the period during which that level will remain present;

(d) in the case of any vitamin other than vitamin E, or any provitamin or substance having a similar effect in a premixture,
  (i) the name of the additive;
  (ii) the active substance level;
  (iii) an indication of the period during which that level will remain present;

(e) in the case of any additive in a premixture other than any of those referred to in subparagraphs (b) to (d) above–

(i) which fulfils a function in the feeding stuff as such; and

(ii) the amount thereof which is present in the premixture can be determined by using one of the methods of analysis specified in Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982, or by some other valid scientific method;

the name of the additive and the active substance level.

2. The label or mark may give, in addition to the name used in relation to any additive in the Table to Schedule 4,

(a) the trade name of the additive; or

(b) its EEC number; or

(c) both such trade name and EEC number.

3. In the case of a premixture containing more than one vitamin (other than vitamin E), provitamin or substance having a similar effect, the requirement for the indication of the period for which the active substance level will remain present shall apply only to that one of those additives which has the shortest such period.

SCHEDULE 9

Schedule 1, paragraph 11

METHOD OF CALCULATING THE ENERGY VALUE OF COMPOUND POULTRY FEEDS

The energy value of compound poultry feed shall be calculated in accordance with the formula set out below on the basis of the percentages of certain analytical components of the feed. This value is to be expressed in megajoules (MJ) of metabolisable energy (ME), nitrogen corrected, per kilogram of compound feed:

MJ of ME/kg of feed = 0.1551 × % crude protein + 0.3431 × % fat [(a)] + 0.1669 × % starch[(b)] + 0.1301 × % total sugar (expressed as sucrose).

After application of the above formula, the result shall be given to one decimal place.

(a) Determined by procedure B of method 3 of the methods of analysis specified in Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982 (S.I. 1982/1144; the relevant amending instrument is S.I. 1985/1119).
(b) Determined by method 30a (Polarimetric Method) of the methods of analysis specified in Schedule 2 to the Feeding Stuffs (Sampling and Analysis) Regulations 1982.

EXPLANATORY NOTE

(This note is not part of the Regulations)

1. These Regulations, which supersede the Feeding Stuffs (No. 2) Regulations 1986, implement the directives listed in paragraph 2 below, and incorporate certain changes in the law which are described in paragraph 7 below.

2. The principal directives implemented are–

Council Directive 70/524/EEC (OJ No. L270, 14.12.70, p.1), (OJ/SE Vol. 18, p.4) concerning additives in feeding stuffs, as amended;

Council Directive 74/63/EEC (OJ No. L38, 11.2.74, p.31) on undesirable substances and products in animal nutrition, as amended;

Council Directive 77/101/EEC (OJ No. L32, 3.2.77, p.1) on the marketing of straight feeding stuffs, as amended;

Council Directive 79/373/EEC (OJ No. L86, 6.4.79, p.30) on the marketing of compound feeding stuffs, as amended;

Commission Directive 80/511/EEC (OJ No. L126, 21.5.80, p.14) authorising, in certain cases, the marketing of compound feeding stuffs in unsealed packages or containers;

Council Directive 82/471/EEC (OJ no. L213, 21.7.82, p.8) concerning certain products used in animal nutrition;

Commission Directive 82/475/EEC (OJ No. L213, 21.7.82, p.27) laying down the categories of ingredients which may be used for the purposes of labelling compound feeding stuffs for pet animals;

and the Regulations incorporate amendments and additions to those directives including those made by the following, which require the changes in the law described in paragraph 7 below:

Commission Directive 86/174/EEC (OJ No. L130, 16.5.86, p.53) fixing the method of calculation for the energy value of compound poultry feed;

Fourth Commission Directive 86/299/EEC (OJ No. L189, 11.7.86, p.40) amending the Annex to Council Directive 74/63/EEC;

Commission Directive 86/300/EEC (OJ No. L189, 11.7.86, p.42) amending the Annexes to Council Directive 70/524/EEC;

Council Directive 86/354/EEC (OJ No. L212, 2.8.86, p.27) amending Directives 74/63/EEC, 77/101/EEC and 79/373/EEC;

Commission Directive 86/403/EEC (OJ No. L233, 20.8.86, p.16) amending the Annexes to Council Directive 70/524/EEC;

Commission Directive 86/525/EEC (OJ No. L310, 5.11.86, p.19) amending the Annexes to Council Directive 70/524/EEC;

Commission Directive 86/530/EEC (OJ No. L312, 7.11.86, p.39) amending the Annex to Council Directive 82/471/EEC;

Commission Directive 87/234/EEC (OJ No. L102, 14.4.87, p.31) amending the Annex to Council Directive 77/101/EEC;

Commission Directive 87/235/EEC (OJ No. L102, 14.4.87, p.34) amending the Annex to Council Directive 79/373/EEC;

Commission Directive 87/238/EEC (OJ No. L110, 25.4.87, p.25) amending the Annexes to Council Directive 74/63/EEC;

Council Directive 87/519/EEC (OJ No. L304, 27.10.87, p.38) amending Council Directive 74/63/EEC;

Commission Directive 87/552/EEC (OJ No. L336, 26.11.87, p.34) amending the Annexes to Council Directive 70/524/EEC.

3. The Regulations apply to feeding stuffs for animals of the descriptions specified in regulation 3 and for pet animals. Those feeding stuffs (with the exception of straight feeding stuffs intended for use as pet foods) are prescribed in regulation 4 for the purposes of sections 68(1) and 69(1) of the Agriculture Act 1970 ("the Act"), which require the sellers of prescribed materials to give statutory statements as to their composition and information or instructions as to their storage, handling and use, and

to mark them with that information. The contents of statutory statements are prescribed by regulation 5 and Schedule 1, and their form by regulation 6. Further provisions relating to statutory statements are contained in regulations 7, 8 and 9.

4. The Regulations also provide for–

(a) permitted limits of variation in mis-statements in statutory statements, (regulation 11 and Schedule 3);

(b) the manner of packaging and sealing compound feeding stuffs, additives and premixtures (regulation 12); and

(c) the meaning of names for the purposes of section 70 of the Act, (which creates an implied warranty that material described by a name to which a meaning has been so assigned accords with that meaning), (regulation 13(1) and Schedule 2).

5. The Regulations further provide for the control of the moisture content of compound feeding stuffs containing milk products (regulation 14), and regulate the marketing of feeding stuffs containing additives (regulation 15 and Schedule 4), undesirable substances (regulation 16 and Schedule 5), aflatoxin B_1 (regulation 17) and certain protein sources and non-protein nitrogenous compounds (regulation 18(1) and Schedule 7). The marketing of feeding stuffs consisting of or containing "Candida" yeasts cultivated on n-alkanes is prohibited (regulation 18(2)). The labelling or marking of additives and premixtures of additives is also controlled (regulation 19 and Schedule 8).

6. The Regulations modify section 66(2) of the Act so as to make it apply to the importation and use as well as the sale of feeding stuffs, and section 82 so as to make it apply to additional sections of Part IV of the Act. (Section 82 provides for defences of mistake, due diligence etc).

7. The following changes in the law are effected in implementation of the directives listed in paragraph 2 above as amending or adding to the principal directives;

(a) definitions of "energy value", "fat", "ingredients", "milk replacer feed", "national list" and "starch" are inserted in regulation 2(1);

(b) the list of animals prescribed for the purpose of the definition of feeding stuff in section 66(1) of the Act is extended to include lambs, kids and deer;

(c) the description of material prescribed in regulation 4 for the purposes of sections 68(1) and 69(1) of the Act (see paragraph 3 above) now includes any material usable as an ingredient in a feeding stuff (other than a straight feeding stuff intended for use as a pet food);

(d) the meaning assigned to the names of certain feeding stuffs by regulation 10 for the purposes of section 70 of the Act (implied warranties) are extended to milk replacer feeds;

(e) the marketing of vegetable materials named in column 2 of Schedule 2 of which the botanical purity is less than 95% is prohibited by regulation 13(2);

(f) special provision for the marketing of ingredients to be used in feeding stuffs which are contaminated with certain exceptionally undesirable substances is made in regulation 16(3) and (4). Copies of the national list referred to in paragraph 4(a) of this regulation, and defined in regulation 2(1), may be obtained on and after the 30th November 1988 from the Publications Unit of the Ministry of Agriculture, Fisheries and Food, Lion House, Willowburn Trading Estate, Alnwick, Northumberland NE66 2PF, and the list may be inspected free of charge at the Ministry's headquarters at Great Westminster House, Horseferry Road, London SW1P 2AE;

(g) special provision in relation to milk replacer feeds is made in regulation 20;

(h) a number of additions and amendments are made to Schedule 1 (paragraphs 2, 7, 14, 15 and 16), Schedule 2 (items dried molassed sugar beet feed, 4.6 and 4.9), Schedule 3 (protein), Schedule 4 (Parts II, III, Chapter B, VI and IX), Schedule 5 (cadmium and aflatoxin) in Part I (Chapters A and B) and Part II, and a new Chapter D of Part I (for pesticide residues) and Schedule 7 (items 1.1.1.1 and 2.2.2);

(i) an official method of calculating the energy value of compound poultry feeds is provided in a new Schedule 9, and is referred to in Schedule 1, paragraph 11(a)(v) and Schedule 3, Part E.

The Regulations, which apply throughout Great Britain, come into force for the purposes of regulation 16(3) and (4), paragraph 16 of Schedule 1 and Part II of Schedule 5 on 3rd December 1988, for the purposes of Chapter D of Part I of Schedule 5 on 3rd December 1990 and for all other purposes on 6th April 1988.

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