

USDA Foreign Agricultural Service

GAIN Report

Global Agriculture Information Network

Template Version 2.09

Required Report - public distribution

Date: 8/3/2007

GAIN Report Number: MY7030

Malaysia FAIRS Country Report Annual 2007

Approved by:David W. Cottrell
U.S.Embassy

Prepared by: Jacelyn Chang

Report Highlights:

Section 1 - Food Laws; Section 11B - Labeling Requirements - Requirements Specific to Nutritional Labeling; Section VI - Other regulations requirements; Appendix Fifteenth A Schedule Table B.

Includes PSD Changes: No Includes Trade Matrix: No Annual Report Kuala Lumpur [MY1]

Table of Contents

SECTION I. FOOD LAWS	
SECTION II. LABELING REQUIREMENTS	
SECTION III. PACKAGING AND CONTAINER REGULATIONS	
SECTION IV. FOOD ADDITIVE REGULATIONS	13
SECTION V. PESTICIDES AND OTHER CONTAMINANTS	14
SECTION VI. OTHER REGULATIONS REQUIREMENTS	14
SECTION VII. OTHER SPECIFIED STANDARDS	17
SECTION VIII. COPYRIGHT AND/OR TRADEMARK LAWS	17
SECTION IX. IMPORTS PROCEDURE	18
SECTION X. POST CONTACT AND FURTHER INFORMATION	18
APPENDIX I. MAJOR MALAYSIAN REGULATORY AGENCIES	20
APPENDIX II. OTHER IMPORT SPECIALIST CONTACTS	21
APPENDIX III. LOCAL AND OTHER CONTACTS	23
APPENDIX IV. SCHEDULES	25

This report was prepared by the Office of Agricultural Affairs of the USDA/Foreign Agricultural Service in Kuala Lumpur, Malaysia for U.S. exporters of domestic food and agricultural products. While every possible care was taken in the preparation of this report, information provided may not be completely accurate either because policies have changed since its preparation, or because clear and consistent information about these policies was not available. It is highly recommended that U.S. exporters verify the full set of import requirements with their foreign customers, who are normally best equipped to research such matters with local authorities, before any goods are shipped. FINAL IMPORT APPROVAL OF ANY PRODUCT IS SUBJECT TO THE IMPORTING COUNTRY'S RULES AND REGULATIONS AS INTERPRETED BY BORDER OFFICIALS AT THE TIME OF PRODUCT ENTRY.

SECTION I. FOOD LAWS

The Food Act 1983 and the Food Regulations 1985 of Malaysia govern the various aspects of food safety and quality control including food standards, food hygiene, food import and export, food advertisement and accreditation of laboratories. The enforcement of Food Act 1983 and the Food Regulations 1985 is targeted towards reducing food-born hazard and ensuring that food is safe for human consumption.

The Food Safety and Quality Division (FSQD) of the Ministry of Health (MOH) is charged with the implementation and enforcement of the law. FSQD implements an active food safety program which includes routine compliance, sampling, food premises inspection, food import control activity and licensing of specified food substances required under Food Act 1983 and its Food Regulation 1985. It also conducts a food monitoring activity on specific food contaminants and additives. As a preventive approach, the FSQD have been implementing food handlers training program, vetting of food labels, giving advise to the industry and consumers, and food safety certification scheme such Health Certificate, HACCP certification and Free Sale Certificate.

Specific compositional and labeling requirements were developed for particular food products. The use of health claims on labels is very restrictive. The content requirements are not restrictive for U.S. products, but receiving approval for new food additives, especially those not currently recognized by Codex Alimentarius can be onerous. Since more than half of the Malaysian population is Muslim, labeling requirements for products containing pork and alcohol are very strict. Attention should be given to adhering to Malaysian labeling requirements to avoid any problems at the port of entry or on the retail level.

Extracts from the Food Regulations 1985 pertaining to labeling requirements, etc., are cited below.

SECTION II. LABELING REQUIREMENTS

A. General Requirements

Language to be used

Where the food is produced, prepared or packaged in Malaysia, the language to be used is Bahasa Malaysia and in the case of imported food, the language may be in Bahasa Malaysia or English, and in either case may include translation thereof in any other language.

Particulars in labeling

(1) The appropriate designation of the food or a description of the food containing the common name of its principle ingredients. "Appropriate designation" means a name or description, being a specific, not generic name or

description, which shall indicate to the prospective purchaser the true nature of the food to which it is applied. The lettering on the label shall be so prominent in height, visual emphasis, and position to be conspicuous by comparison with any other matter appearing on the label.

(2) In the case of mixed or blended food, words which indicate that the contents are mixed or blended, as the case may be, and such word shall be conjoined with the appropriate designation of the food, in the following form:

"mixed" (here insert the appropriate designation of the food); or "blended" (here insert the appropriate designation of the food):

Provided that the word "mixed" or "blended" shall not be conjoined with the appropriate designation of any mixed or blended food which does not comply with the standard prescribed by these Regulations

(3) where food contains beef or pork, or its derivatives, or lard, a statement as to the presence in that food of such beef or pork, or its derivatives, or lard, in the form –

"CONTAINS (state whether beef or pork, or its derivatives, or lard, as the case may be)"

Or in any other words to this effect;

(4) A statement as to the presence of alcohol, in capital bold-faced lettering of a non-serif character not smaller than 6 point, in the form-

"CONTAINS ALCOHOL"

or in any other words to this effect. This statement shall appear immediately below the appropriate designation of the food.

- (5) Where the food consists of two or more ingredients, other than water, food additives and nutrient supplement, the appropriate designation of each of those ingredients in descending order of proportion by weight and (if required) a declaration of the proportion of such ingredient.
- (6) Where the food contains food additive, a statement as to the presence in the beer of such food additive, in the form-

"contains permitted (state type of the relevant food additive)"

provided that in the case of coloring substance or flavoring substance it shall be sufficient to state the common name or the appropriate designation of that food additive in place of the chemical name.

- (7) A statement of the minimum net weight or volume or the number of the content of the package; in the case of food packed in liquid, a statement of the minimum drained weight of the food;
- (8) In the case of imported food, the name and business address of manufacturer or packer or the owner of the rights of manufacture, or the agent of any of them, and the name and business address of the importer in Malaysia and the name of the country of the origin of the food. Please note that for the above purpose, a telegraphic or code address or an address at a Post Office, or the name of the company or the trade name of the manufacturer, packer, importer or seller appearing on any disc or cap or other device for sealing any package of is not sufficient.
- (9) The requirements in paragraph 5, 6, 7, 8 may be written in no smaller than 4

point lettering.

Form and manner of labeling

- (1) The particulars required above shall appear conspicuously and prominently in the label.
- (2) All particulars to appear on a label shall be written in no smaller than 10 point lettering, and with equal prominence with any other matter appearing on or attached to the package.
- (3) Every label shall be legible and durably marked either on the material of the package or on material firmly or permanently attached to the package.
- (4) A label may be firmly placed inside a package if -
 - the package is made of clear transparent material;
 - the food contained in the package is not ready for direct consumption or in the case of food ready for consumption, is completely enclosed in its natural shell or pod or interior wrapper such that it has no direct contact or is not likely to come into contact with the label
 - No label shall appear on the extra wrapper of any food
- (5) Except for intentionally accepted unit symbols of weights and measures, the lettering of every word or statement required to appear on labels shall be-

•	all capital letters; or] the height of the lettering
•	all lower case letters; or] shall be uniform in every
] word or statement that is
] separately required

- lower case letters with an initial capital letter] the height of the lower case] lettering shall be uniform] in every word or statement] that is separately required.
- (6) Where the package to be labeled is so small as to prevent the use of letters of the required size, letters of smaller size may be used if they are of the largest size practicable in the circumstances and are in any event no smaller than two point.
- (7) All lettering shall appear in a color that contrast strongly with its background.

Date marking

- (i) In relation to package of food, it means a date permanently marked or embossed on the package, or in the label on the package, of any food signifying the expiry date or the date of minimum durability of that food, as the case may be.
- (ii) For the purposes of sub regulation (i), the expression-
 - "expiry date", in relation to a package food, means the date after which the food, when kept in accordance with any storage conditions set out in the label of such food, may not retain the quality attributes normally expected by a consumer; and
 - "date of minimum durability", in relation to a package of food, means the date until which the food, when kept in accordance with any storage conditions set out in the label of such food, will retain any specific qualities for which tacit or express claim has been made
- (iii) For the purposes of these regulations, only marking in clear, unmistakable date which can be correctly interpreted by the consumer shall constitute date

- marking. The marking of date in code form for lot identification does not constitute date marking.
- (iv) When in a package intended for sale, shall bear or have embossed, on the label or elsewhere on the package, a date marking in accordance with any of the alternatives as specified in the following regulation.

"EXPIRY DATE or EXP DATE (here insert the date, expressed in day, month and year or in month and year)";

"USE BY (here insert the date, expressed in day, month and year or in month and year or in month and year)"; or

"CONSUME BY or CONS BY (here insert the date, expressed in day, month and year or in month and year)":

The date of minimum durability in respect of any food shall be shown in "BEST BEFORE or BEST BEF (here insert the date, expressed in day, month and year or in month and year)";

- (v) Where the validity of the date marking of a food to which this regulation applies is dependent on its storage, the storage direction of that food shall also be required to be borne on its label.
- (vi) No person shall prepare or advertise for sale or sell any food specified in the Fifth Schedule of the Food Regulations 1985 unless the package containing such food bear a date marking.
- (vii) The date marking required by this regulation shall be in capital bold-faced lettering of a non-serif character not smaller than 6 point.

Matter forbidden on any label

- (i) No descriptive matter appearing on or attached to or supplied with any package of food shall include any comment on, reference to or explanation of, any statement or label required by these Regulations to be borne on any package of food if such comment, reference, or explanation either directly or by implication, contradicts, qualifies or modifies the statement or the content of that label.
- (ii) Words to indicate grading, quality or superiority or any other words of similar meaning shall not appear on the label of any package of food unless such description of quality grading conform to those established by the relevant authorities responsible for such grading; and where such words appear on the label, it shall be presumed that the food is in compliance with the requirements established by the relevant authorities in respect of that quality grading.
- (iii) No label which describes any food shall include the word "pure" or any other words of the same significance unless
 - the food is of the strength, purity or quality prescribed by these Regulations and is free from any other added substance apart from those essential in the processing of such food; and there is no expressed stipulation in these Regulations prohibiting the inclusion of such word in the label in respect of that food.
- (iv) food shall include the word "compounded", "medicated", "tonic" or "health" or any other words of the same significance.
- (v) No label which describes any food shall include any claim on the absence of :

beef or pork or its derivatives, or lard or added alcohol if the food does not contain such ingredients; or any food additive or nutrient supplement the addition of which is prohibited in these Regulations.

- (vi) Except as otherwise provided in these Regulations, pictorial representation or design may be included in the label for the purpose of illustrating recipes involving the use of the food or suggestions on how to serve the food, where such inclusion is not misleading or deceptive, and the representation or designs immediately preceded or followed or otherwise closely accompanied, in not less than 6 point lettering, with the words "RECIPE" or "SERVING SUGGESTION" or other words of similar meaning, as the case may be.
- (viii) Claims on the label.
 - (a) Claims which highlight the absence or non-addition of a particular substance in or to food may be included in the label provided that the claims are not misleading and the substance:
 - not subject to specific requirements in this regulation
 - is one which consumers would normally expect to find in the food
 - has not been substituted by another substance giving the food equivalent characteristics unless the nature of the substitution is clearly stated with equal prominence; and
- (b) Claims which highlight the absence or non-addition of one or more nutrients in or to food shall be regarded as nutrition claims, and regulation on nutritional labeling shall apply to those claims.
- (c) Nutrition claims in this regulation include the following claims:
 - nutrient content claims
 - nutrient comparative claim
 - nutrient function claim; and
 - claim for enrichment, fortification or other words of similar meaning.

B. Requirements Specific to Nutritional Labeling

- 1. In these Regulations, "nutritional labeling", in relation to a package of food, means a description intended to inform the consumer of the nutrient content of a food.
- 2. Nutritional labeling is compulsory for the following foods: prepared cereal foods; various types of bread; variety of milk and powdered milk, including sweetened condensed milk, evaporated milk and cultured milk; canned meat; canned fish; canned vegetable, canned fruit and various types of fruit juices, salad dressing and mayonnaise, various types of soft drink including botanical drink, soy bean milk and soy bean drink.
- 3. There shall be written on the label of the food specified in (2)
 - a. the amount of energy, expressed in kilocalorie (kcal) or kilojoule (KJ) or both per 100g or 100 ml or per package if the package contains only a single portion and per serving as quantified on the label; and
 - b. the amount of protein, available carbohydrate (that is carbohydrate excluding dietary fibre) and fat, expressed in g per 100g or per 100 ml or per package if the package contains only a single portion and per serving as quantified on the label.
- 4. There shall be written on the label on a package of ready-to-drink beverage, the amount of total sugars in the following form:

"Carbohydrate	g
Total sugars	q:

5. Where a claim is made regarding the amount or type of fatty acids, the amounts of saturated, monounsaturated, polyunsaturated and trans fatty acid shall be declared in the following from, as the case may be:

"Fatg comprising of monounsaturatedg polyunsaturatedg saturatedg Trans fatty acidg.

6. The amount of energy to be listed should be calculated by using the following conversion factors:

(a) Carbohydrates 4kcal/g (17 kJ); Protein 4kcal/g (17 kJ); (c) Fat 9kcal/g (37 kJ); Alcohol (Ethanol) 7kcal/g (29 kJ); (d) (e) Organic acid 3kcal/g (13 kJ); or Dietary fibre 2kcal/g (8.5kJ); (f)

- (7) The amount of protein to be listed shall be calculated using the following formula:

 Protein = Total Kjeldahl Nitrogen x Conversion factor for specific food
- (8) The conversion factors for specific food specified in (7) shall be as follows:

FOODS	Conversion factor
Wholemeal or flour or bulgur	5.83
Flour, medium or low extraction	5.70
Macaroni, spaghetti, wheat pastes	5.70
Bran	6.31
Rice	5.95
Rye, barley, oats	5.83
Groundnuts	5.46
Soyabean, seeds, flour or products	6.25
Almond	5.18
Brazil nut	5.71
Coconuts, chestnuts, treenuts	5.3
Milk and milk products	6.38
Sesame, safflower, sunflower	5.30
Magarine, butter	6.38
Other foods	6.25

- (9) Except as otherwise provided in these Regulations, there may be written on the label of food the amount of vitamins and minerals in accordance with the following criteria:
 - (a) only vitamins and minerals which are listed in the Nutrient Reference Values (NRV) or where the vitamins and minerals are not included under paragraph (a) with the written approval of the Director, and
 - (b) only those vitamins and minerals which are present in not less than 5 per cent of the Nutrient Reference Value (NRV), supplied by a serving as quantified on the label.
- (10) The numerical information on vitamins and minerals shall be expressed in metric units per 100g or per 100ml or per package if the package contains only a single portion and per serving as quantified on the label; in addition, this information may be expressed as a percentage of the Nutrient Reference Value (NRV) per 100g or per 100ml or per package if the package contains only a single portion and per serving as quantified on the label.
- (11) Where the numerical information on vitamins and minerals has been expressed as a percentage of Nutrient Reference value (NRV) shall be used for labeling purposes:

Nutrient Reference Values (NRV		
Vitamin A (ug)	800	
Vitamin D (ug)	5	
Vitamin C (mg)	60	
Vitamin E (mg)	10	
Thiamin (mg)	1.4	
Riboflavin (mg)	1.6	
Niacin (mg)	18	
Vitamin B6 (mg)	2	
Folic acid (ug)	200	
Vitamin B12 (ug)	1	
Calcium (mg)	800	
Magnesium (mg)	300	
Iron (mg)	14	
Zinc (mg)	15	
Iodine (ug)	150	

(12) There may be written on a label of a package of food the amount of cholesterol or dietary fibre; the amount of cholesterol shall be expressed in mg per 100g or per

100ml or per package if the package contains only a single portion and per serving as quantified on the label and the amount of dietary fibre shall be expressed in g per 100g or per 100 ml or per package if the package contains only a single portion and per serving as quantified on the label.

- (13) Where a food other than food specified in (2) contains a nutrition labeling, (3) shall apply to the labeling.
- (14) Where a food makes a nutrition claim, it is also mandatory to include a nutrition labeling as specified in (3) and the amount of any other nutrient for which a nutrition claim is made in respect of the food.

Nutrient content claim

- (1) In these Regulations, "nutrient content claim" means a nutrition claim that describes the level of a nutrient contained in a food.
- (2) When a nutrient content claim or a synonymous claim, that is listed in Table I and Table II to the Fifth A Schedule is made, the conditions specified in the Tables for that claim shall apply.
- (3) Where a food is by its nature low in or free of the nutrient that is the subject of the claim, the term describing the level of the nutrient shall not immediately precede the name of the food but shall be in the following from, that is, "a low (naming the nutrient) food" or "a (naming the nutrient)-free food".

Nutrient comparative claims

- (1) In these Regulations, "nutrient comparative claim" means a claim that compares the nutrient levels or energy value of two or more foods.
- (2) There may be written on a label of a package food a statement that compares the level of a nutrient in the food with the level of a nutrient in a reference food in the following words or any other words of the same significance, that are, "reduced", "less than", "fewer", "increased", "more than", "light" or "extra".
- (3) For the purpose of (2), nutrient comparative claims may only be used on the label based on the food sold, taking into account further preparation required for consumption if relevant, according to the instructions for use on the label and subject to the following conditions:
 - (a) the food being compared shall be different versions of the same or similar food and the foods being compared should be clearly identified.
 - (b) a statement of the amount of difference in the energy value or nutrient content shall be given and the following information shall appear in close proximity to the nutrient comparative claim:
 - (i) the amount of difference related to the same quantity, expressed as a percentage, fraction or an absolute amount and full details of the comparison shall be given; and
 - (ii) the identity of the food to which the food is being compared, and the food shall be described in such a manner that it can be readily identified by consumers; and
 - (c) the comparison should be based on a relative difference of at least 25 percent in the energy value or nutrient content, except for micro nutrients where a 10 per cent difference in the Nutrient Reference Value (NRV) would be acceptable, between the compared foods and a

minimum absolute difference in the nergy value or nutrient content equivalent to the figure defined as "low" or a "source" in Table I and II to the Fifth A Schedule.

Nutrient function claim

- (1) In these regulations, "nutrient function claim" means a nutrition claim that describes the physiological role of the nutrient in the growth, development and normal functions of the body.
- (2) A nutrient function claim shall not imply or include any statement to the effect that the nutrient would afford a cure or treatment for or protection from a disease.
- (4) No label which describes any food shall include any claims relating to the function of a nutrient in the body unless the food for which the nutrient function claim is made shall contain at least the amount nutrient in the level to be considered as a source of that nutrient per reference amount as specified in Table II to the Fifth A Schedule.
- (4) Except as otherwise provided in these Regulations, only the following nutrient function claims or any other words of similar meaning shall be permitted:
 - (a) Calcium aids in the development of strong bones and teeth;
 - (b) Protein helps build and repair body tissues
 - (c) Iron is a factor in red blood cell formation
 - (d) Vitamin D helps the body utilize calcium and phosphorus
 - (e) Vitamin B1/Thiamine is needed for the release of energy from carbohydrates.
 - (f) Vitamin B2/Riboflavin is needed for the release of energy from proteins, fats and carbohydrates.
 - (g) Niacin is needed for the release of energy from proteins, fats and carbohydrates
 - (h) Folic acid is essential for growth and division of cells
 - (i) Vitamin B12/Cyanocobalamin is needed for red blood cell production
 - (j) Vitamin C enhances absorption of iron from non-meat sources; or
 - (k) Magnesium promotes calcium absorption and retention
- (5) No label on a package containing any food shall bear a nutrient function claim Except those permitted in this regulation or with prior written approval of the Director.

SECTION III. PACKAGING AND CONTAINER REGULATIONS

Packaging on retail premises

(1) Where food is packaged on retail premises and is offered, exposed or kept for sale in such package at the said premises in such a manner that the customer may himself select the package, then every such package of food has to be sealed, and where the package is of transparent flexible material, the label may be inserted inside the package.

Restrictions and limitations on packaging materials

(1) No person shall import, manufacture, advertise for sale or sell or use or cause or permit to be used in the preparation, packaging, storage, delivery or

- exposure of food for sale, any package, appliance, container or vessel which yields or could yield to its contents, any toxic, injurious or tainting substance, or which contributes to the deterioration of the food.
- (2) No person shall import, manufacture, advertise for sale or sell any package, appliance, container or vessel made of enamel or glazed earthenware that is intended for use in the preparation, packaging, storage, delivery or exposure of food for sale and is either capable of imparting lead, antimony, arsenic, cadmium or any other toxic substance to any food prepared, packed, stored, delivered or exposed in it, or is not resistant to acid unless the package, appliance, container or vessel satisfied the test described in the Thirteenth Schedule. (Appendix C).
- (3) No person shall import, manufacture or advertise for sale or sell or use in the preparation, packaging, storage, delivery or exposure of food for sale, any rigid or semi-rigid package, appliance, container or vessel, made of polyvinyl chloride which contains more than 1 mg/kg of vinyl chloride monomer.
- (4) No person shall import, prepare or advertise for sale or sell any food in any rigid or semi-rigid package, appliance, container or vessel made of polyvinyl chloride if the food contains more than 0.05mg/kg of vinyl chloride monomer.
- (5) No person shall use, or cause or permit to be used, in the preparation, packaging, storage, delivery or exposure for sale of any food, any package, appliance, container or vessel that had been used or intended to be used for any non-food product.
- (6) Recycling of the following packages prohibited:
 - a. of any sugar, flour or meal, any sack that has previously been used for any purpose
 - b. of any edible fat or edible oil, any bottle or metal container, than silos and tankers for edible fat and edible oil, that has previously been used for any purposes
 - c. of any food of non-swine origin, any package, appliance; container or vessel that is intended for use or has been used for any product of swine origin (sus scrofa)
 - d. of any food, other than that packaged in an extra wrapper, any plastic bottle that has previously been used for any purpose;
 - e. of any food, other than alcoholic beverage and shandy (type of Malaysian beer), any bottle that has previously been used for alcoholic beverage or shandy.
 - f. of any milk, soft drink, alcoholic beverage or shandy, any glass bottle that has previously been used for another food;
 - g. of any vegetable, fish or fruit, any box or crate that has previously been used for another food
 - h. of any polished rice, any gunny sack that has previously been used for another food
- (7) Use of damaged package prohibited
- (8) Toys, coins, etc. not to be placed in food

Bulk Containers

(1) Bulk container includes any wagon, crate, silo, tanker and other similar container any box, carton and other similar container in which more than one duly labeled package and its contents are not intended to be retained when the packages or the contents are sold by way of retail. Bulk containers are not subject to the form and manner of labeling and date marking indicated above.

SECTION IV. FOOD ADDITIVE REGULATIONS

- (1) "Food additive" means any safe substance that is intentionally introduced into or on a food in small quantities in order to affect the food's keeping quality, texture, consistency, appearance, odor, taste, alkalinity or acidity, or to serve any other technological function in the manufacture, processing, preparation, treatment, packing, packaging transport, or storage of the food, and that results or may be reasonable expected to result directly or indirectly in the substance or any of its by-products becoming a component of, or otherwise affecting the characteristics of, the food and includes any preservative, coloring substance, flavoring substance, flavor enhancer, antioxidant and food conditioner, but shall not include nutrient supplement, incidental constituent or salt.
- (2) No person shall import, manufacture, advertise for sale or sell or introduce into or on any food-additive other than a permitted food additive; or any permitted food additive that does not comply with the standard prescribed in these Regulations, where such standard is so prescribed.
- (3) Not-withstanding subregulation (2), the addition of food additive to food is prohibited except as otherwise permitted by these Regulations. A reference in these Regulations to the addition or use of "other food" in the composition of food for which a standard is prescribed in these Regulations shall not be construed as permission for the use of food additives.
- (4) No person shall introduce into or on a food any food additive in such a manner as to conceal any damage to, or any inferiority in the quality of that food.
- (5) Notwithstanding anything in these Regulations, a food additive may be present in any food where--
 - (a) the additive is permitted by these Regulations to be in any ingredient used in the manufacture of the food; and
 - (b) the proportion of the additive in any such ingredient does not exceed maximum proportion if any, permitted by these Regulations for that ingredient; and
 - (c) the total proportion of the additive in the final product does not exceed the maximum proportion, if any, permitted by these Regulations for that product; and
 - (d) the food into which the additive is carried over does not contain the additive in greater quantity than would be the case if the food were made under proper technological conditions and in accordance with sound manufacturing practice
 - (e) the additive carried over is present in the food at a level that is significantly less than that normally required for the additive to achieve an efficient technological function in its own right

Labeling requirement

- (1) There shall be written in the label on the package containing food additive imported, manufactured, advertised for sale or sold--
 - (a) the words "(state the chemical name of the food additive) as permitted (state the type of food additive)"; provided that in the case of coloring substance or flavoring substance it shall be sufficient to state the common name or the appropriate designation of that food additive in place of the chemical name;
 - (b) a statement giving direction for its use.

Permitted food additives that may be added to specified foods and the maximum permitted levels are listed in the Sixth, Seventh, Eight, Ninth, Tenth and Eleventh Schedule of the Food

Regulation 1985. U.S. exporters can obtain a list of the Schedules from the Food Safety and Quality Division, Ministry of Health. A list of positive and negative list of permitted food additives is attached in the Appendix IV.

SECTION V. PESTICIDES AND OTHER CONTAMINANTS

The Food Safety and Quality Division, Ministry of Health enforce regulations concerning pesticide residues in foodstuffs. Authorized officers, appointed by the Division may enter any premises where he believes any food to which the Food Act applies is prepared, preserved, packaged, stored, conveyed, distributed or sold, and examine any such food and take samples thereof.

Pesticide Residue

- (1) For the purposes of these Regulations, the term "pesticides" includes:
 - (a) any preparation used, or capable or purporting to be capable of being used, for preventing the attack of, or for destroying--
 - (i) fungi or other parasitic plants or bacteria that affect or attack plants, fruits, grains, animals or property
 - (ii) insects or other pests that affect or attack plants, fruits, animals or property;
 - (iii) noxious animals or noxious birds or
 - (iv) weeds or other noxious plants; and
 - (b) any substance purporting to be pesticide.
- (2) No person shall import, prepare for sale or sell any food containing pesticide residue in a proportion greater than the proportion specified for that food as set forth in the Sixteenth Schedule in the Food Regulations or as recommended in the Codex Alimentarius where the pesticide is not specified in the Sixteenth Schedule. If the pesticide residue limit is not specified for a particular food in the Sixteen Schedule or Codex Alimentarius, then the pesticide residue shall not contain more than 0.01 milligram per kilogram in the food.
- (3) The maximum pesticide residue limits (MRL) in food are also listed in the 16th Schedule of the Food Regulations 1985.

The Pesticides Act 1974 under Section 7-13 provides for the control of the importation and manufacture of a pesticide through a registration scheme under the Pesticides (Registration Rules) 1976. Only locally registered companies may register pesticides. Applications for registration must be submitted to the following address: Secretary, Pesticides Board, Department of Agriculture, Jalan Gallagher, 50480 Kuala Lumpur. Application forms are obtainable from the same address. Submissions should be made as far in advance as possible prior to the desired registration date. The period of registration of a pesticide is 3 years, effective from the date of registration unless is terminated by the registrant or canceled by the Pesticides Board. The fee for registration of a pesticide is RM400/- for the period of three years. A list of the approved pesticides is available from the Pesticide Board.

SECTION VI. OTHER REGULATIONS REQUIREMENTS

All food consignments are subject to random checking and sampling at 28 entry points all over the country to ensure food items imported into the country are safe and comply with the prescribed standards and regulations. Foods will be destroyed if they are found unfit for human consumption. Consignment of meat and meat products, milk and milk products, pork and pork products imported into Malaysia are subject to veterinary inspection by the authorized officer(s) of the Dept. of Veterinary Services (DVS) at the point of entry on arrival

in Malaysia. Random samples will then be collected for laboratory testing and DVS has the right to reject, destroy, or further detain any consignment when deemed required.

Health and medicinal food products need to be registered. Meat and milk and their related products require an import license. Product registration and application for import licenses are done through Malaysian registered companies. Fees are imposed for import licenses. Each of the paragraphs below has listed specific requirements for the product group that would be useful for U.S. exporters.

Plant And Plant Products

The import of plant and plant products into Malaysia is governed by the Agricultural Pests and Noxious Plants (Import/Export) Regulations 1981. The aim of plant quarantine regulations is to control the import of plants for the purpose of prevention of introduction of pests and disease from foreign countries. The inspection and certification of consignment of plants, plant parts or plant products, processed or otherwise must conform with the current phytosanitary requirements. Applications for Phytosanitary Certificate (P.C.) are to be made on Form PQ 9 obtainable from any Plant Quarantine office and submitted at least four working days before the proposed date of inspection. A certified true copy of the Import Permit will be required for the purposes of meeting the phytosanitary requirements. An import permit is issued by the Director General of the Agriculture Department. All conditions for import of plants are specified in this permit. As most of the conditions to be fulfilled need to be undertaken in the country of origin of the plants, it is vital that the importer informs the supplier before-hand of the requirements.

Applications for plant permit should be made to: Director of Crop Protection Branch, Department of Agriculture, Jln Gallagher, Kuala Lumpur, Tel: (603) 2697-3077; Fax: +(6-03) 2697-7205

Live Animals/Birds

The Department of Veterinary Services (DVS), empowered by the Animal Rules, 1962 DVS regulates the importation of live animals or birds and livestock products into Malaysia. The Animal Quarantine Services provide facilities for quarantine of live animals and birds imported into the country. Animal Ordinance, 1953, Animal Rules 1962, Animal Importation Order 1962 and Federal Animals Quarantine Station (Management and Maintenance) By-Law 1984 are enforced and requirements such as import license and health certificate are needed to facilitate the importation of live animals and birds into Malaysia. Further information on animal quarantine requirements and services can be obtained from:

Dept of Veterinary Services, Quarantine and Import - Export, Wisma Tani, Podium Block, Lot 4G1, Prescinct 4, Putrajaya. Tel: +60-3 8870 2000; Fax: +60-3 88882685; Website: http://agrolink.moa.my/jph

Meat And Poultry Products (except pork)

The Department of Veterinary Services (DVS) is responsible for ensuring products of animal origin for human consumption are hygienic, healthy, wholesome and are suitable for consumption. Under the Control of Slaughter Rules 1975, all meat and livestock products imported into the country must be certified halal and the products must originate from slaughterhouses which have been inspected and approved by the Malaysian veterinary and religious authorities (JAKIM – the Islamic Development Foundation of Malaysia). NOTE: For cattle slaughter, it is important to note that the application of thoracic sticking, a procedure in which major blood vessels around the heart are cut to more quickly drain the blood and assure a more humane slaughter, is not acceptable to the Malaysian Islamic authorities.

In addition to certifying the plants for halal export, JAKIM will also approve and appoint U.S. Islamic Centers to monitor and audit the "halal" status of the approved plants and to issue halal certificates for all export consignments. The Islamic Centers are duty-bound to record all monitoring and auditing activities of the approved plants and to submit these reports to JAKIM upon request. Guidelines on the appointment of foreign Islamic organizations are found in JAKIM website at http://www.islam.gov.my/e-halal/glossary.php.

In December 2006, JAKIM and DVS declared all turkey to be non-halal since some importers faced difficulties in sourcing for halal whole turkeys from the 3 U.S. approved plants, while demand for holiday use was high. The announcement is a temporary solution to the shortage of the supply of turkey in the market. Hence, turkey is considered as a non-halal product in the Malaysian market until the Malaysian authorities reverse the announcement.

Assistance from various U.S. cooperator boards representing the industry (such as US Meat Export Federation and USA Poultry and Egg Export Council) may be solicited to arrange for the inspection. Import license, Veterinary Health Certificate (signed or endorsed by a competent veterinary officer of the Government Veterinary Authority of the country of export) and Halal Certificate (issued by approved U.S. Islamic Centers) must accompany each consignment. All meat must be properly labeled indicating establishment number of the abattoir and packing plant; lot number, date of production and type of slaughter (muslim).

Further information is obtainable from Dept of Veterinary Services, Wisma Tani, Podium Block, Lot 4G1, Prescinct 4, Putrajaya. Tel: +60-3 8870 2000. Website: http://agrolink.moa.my/jph

Health And Medicinal Food Products

All health and medicinal food products need to be classified by the National Pharmaceutical Control Bureau (NPCB). Under the Dangerous Drugs Act 1952, Control of Drugs and Cosmetics Regulations 1984, NPCB will determine if the health or medicinal food products need to be registered. An import license may be necessary and issued by the Compliance Unit. In order to register with the NPCB, the exporter or appointed distributor need to write to NPCB stating the name of the products, ingredients and its percentage, claims/usage and attach a copy of the label/product literature.

Further information can be obtained from: National Pharmaceutical Control Bureau (NPCB), Ministry of Health Malaysia, Jalan Universiti, P.O.Box 319, 46730 Petaling Jaya. Tel: +6(03) 7957-3611 Fax: +6(03) 79581312; website: http://www.bpfk.gov.my/

Biotechnology Products

The Lower House of the Malaysia's Parliament passed the Biosafety Act on June 27 2007, followed by the Upper House's approval on July 11, 2007. It is currently waiting for final approval of the Bill by King of Malaysia.

The Act has serious implications to the trade of US GM products and the manufacturing of processed products using GM ingredients.

Clause 61 states that: All living modified organisms, items containing living modified organisms and products of such organisms shall be clearly identified and labeled in a manner to be prescribed and the requirements for such identification and labeling shall be in addition to any other written law.

The interpretation of "products of such organisms" means any product derived from a living modified organism or part of a living modified organism –

- a. if the product contains detectable recombinant deoxyribonucleic acid (DNA); or
- b. where the profile, characteristic or properties of the product is or are no longer equivalent to its conventional counter irrespective of the presence of the recombinant deoxyribonucleic acid (DNA)

The Ministry of Health (MOH) intends to implement labeling requirements for biotechnology-derived foods. The new regulations are supposed to be implemented as soon as the Biosafety Act is effect. MOH is currently reviewing the labeling requirements before its final implementation.

SECTION VII. OTHER SPECIFIED STANDARDS

Special Purpose Food (Regulation 388 of Food Regulations 1985)

- (1) In these Regulations, "special purpose food" means a food named or described as particularly suitable for consumption by persons requiring special nutritional needs and includes the food for which a standard is prescribed in Regulations 389 to 393.
- (2) For the purposes of this regulation, the term "carbohydrate" includes alcohol, hlycerol, sorbitol or sugar alcohol, and any carbohydrate substance that is capable of being metabolised.
- (3) No person shall import, manufacture or advertise for sale or sell any food, other than those specified in Regulations 389 to 393, as special purpose food without the prior written approval of the Director of Food Safety and Quality Division of the Ministry of Health.
- (4) No label of any food shall claim that a food is a special purpose food unless adequate information to support special suitability or nutritional qualities is stated in such label.
- (5) Where a special purpose food contains any carbohydrate it shall not be labeled with the word or words "sugarless" or "sugar free", or any word of similar meaning.
- (5A) Where the ingredient, other than food additives, added to special purpose food is derived from plant, the common name of that plant shall be stated on the label of that food.
- (6) For the purposes of this regulation, "infant" means any person up to 12 months of age and "children" means any person from the age of more than 12 months up to the age of 3 years
- (7) Regulations 389 to 393 include infant formula, canned food for infants and children, cereal-based food for infants and children, low energy food and formula dietary food.

SECTION VIII. COPYRIGHT AND/OR TRADEMARK LAWS

Trade Marks Act, 1976 (Act 175) & Trade marks Regulation, 1983 provides protection against misuse of trademarks and trade names. Protecting industrial rights and property rights is basically the responsibility of each company and through private legal counsel. Trade marks and brand names can be registered with the Intellectual Property Corporation of Malaysia, 32nd Floor, Menara Dayabumi, Jalan Sultan Hishamuddin, 50000 Kuala Lumpur. Tel: 603-2274-8671; Fax: +60-3 2274 1332; Website: http://www.mipc.gov.my/

SECTION IX. IMPORTS PROCEDURE

Royal Customs and Excise Department, Ministry of Finance Malaysia

Royal Customs and Excise Department is an agency of the Ministry of Finance responsible for ensuring efficient collection of indirect taxes such as customs duty (import and export), excise duty, sales tax, service tax and vehicle levy and the controls of carriers, persons and articles entering or departing Malaysia. This agency is governed by the Customs Act 1967. The Royal Customs and Excise Department is also given powers to enforce and control the prohibition of import and export of goods under more than 30 other laws and regulations administered by other departments and government agencies.

The Royal Customs and Excise Department cooperates with a number of other agencies, and a license and permit from responsible agency is necessary to import the following products: alcoholic beverages; animal and animal products; certain health and medicinal food products; meat and meat products; plant and plant products; poultry and poultry products.

Imported goods may enter into Malaysia legally when shipment has arrived within the legal landing place and at customs airport. All goods to be imported whether or not subject to import duties must be declared in writing on Customs No. 1 form. All declarations should indicate a full and true account of the number and description of goods and packages, value, weight, measurement or quantity, and the country of origin or the final destination as the case may be. Declarations must be submitted to the Customs station at the place where the goods are to be imported.

The Customs Act 1967 provides for importers to act on their behalf. Only agents who have been approved by the Director General of Customs can be appointed for this purpose. Applications to act as approved agents must be made to the Customs station where the goods are to be imported. Where duties such as import duty and sales tax are applicable on imported goods all relevant duties must be paid before such goods can be released. The documents required by Malaysian customs are:

- Custom Entry form
- Evidence of right to make entry, e.g. bill of lading
- A Commercial Invoice or Pro-forma invoice if a commercial invoice cannot be produced
- Packing List

Other necessary documents to determine merchandise admissibility such as certificate of origin, analysis etc.

SECTION X. POST CONTACT AND FURTHER INFORMATION

If you have any questions or comments regarding this report or need assistance exporting high value products to Malaysia, please contact the Office of Agricultural Affairs at the U.S. Embassy in Kuala Lumpur at the following address:

Office of Agricultural Affairs U.S. Embassy - Kuala Lumpur APO AP 96535-8152

Tel: (011-60-3) 2168-5082 Fax: (011-60-3) 2168-5023

E-mail: agkualalumpur@.usda.gov

For more information on exporting U.S. agricultural products to other countries, please visit the Foreign Agricultural Service homepage: http://www.fas.usda.gov.

APPENDIX I. MAJOR MALAYSIAN REGULATORY AGENCIES

Plant Quarantine Director Crop Protection Branch Department of Agriculture Jalan Gallagher, 50480 Kuala Lumpur

Tel: +(6-03)2697-3077 Fax: +(6-03) 2697-7205 http://agrolink.moa.my/doa

Director General of Customs Royal Customs and Excise Headquarters Malaysia Ministry of Finance Complex Precinct 2, Federal Government Administration Center 62596 Putrajaya.

Tel: +(6-03) 8882 2100 Fax: +(6-03) 8889 5899 http://www.customs.gov.my

Director

Veterinary Public Health Department of Veterinary Services, Wisma Tani, Podium Block, Lot 4G1, Prescinct 4, Putrajaya.

Tel: +60-3 8870 2000 Fax: +60-3 88882685 http://agrolink.moa.my/jph

Director

National Pharmaceutical Control Bureau Ministry of Health Malaysia, Jalan Universiti, P.O.Box 319, 46730 Petaling Jaya.

Tel: +(6-03) 7957-3611 Fax: +(6-03) 79581312 http://www.bpfk.gov.my/

Director

Food Safety and Quality Division Ministry of Health Malaysia Level 3, Block E7, Parcel E Federal Government Administration Center Putrajaya 62518

Tel: +6-03-8883--3888 Fax: +6-03-8889-4971 Http://dph.gov.my

APPENDIX II. OTHER IMPORT SPECIALIST CONTACTS

LOCATION OF GOVERNMENT VETERINARY LABORATORIES

Laboratory	Area Serviced
Makmal Veterinar Kawasan Bukit Tengah Jabatan Perkhidmatan Haiwan P.O.Box 63 14007 Bukit Mertajam, Penang. Tel: +60-4-5072540 Fax:+604-5075796 E-mail:mvkbt1@jph.gov.my	Northern States of the Peninsular Malaysia such as Perlis, Kedah, Penang and Northern Perak.
Makmal Veterinar Kawasan PJ, Jabatan Perkhidmatan Haiwan Persiaran Barat 46630 Petaling Jaya. Tel: +60-3- 7572963 Fax: =60-3-7574421 Email:jphmvpj@po.jaring.my	Central States of the Peninsular Malaysia such as Southern Perak, Selangor, Negeri Sembilan, Malacca, Eastern Pahang and Kuala Lumpur.
Makmal Veterinar Kawasan Johor Bahru Jabatan Perkhidmatan Haiwan P.O.Box 734 80730 Johor Bahru, Johore. Tel: +60-7-223-9243 Fax: +60-7-224-2528 Email:jphmvjb@po.jaring.my	Southern States of the Peninsular Malaysia such as Johore.
Makmal Veterinar Kawasan Kuantan Jabatan Perkhidmatan Haiwan Jalan Sri Kemunting 2 25100 Kuantan, Pahang. Tel: 609-5137400 Fax: 609-5134959 Email:jphmvkn@tm.net.my	East Coast States of the Peninsular Malaysia such as Pahang, Southern Trengganu and Northern Johore.
Makmal Veterinary Kawasan Kota Bharu Jabatan Perkhidmatan Haiwan 16150 Kubang Kerian Kota Bahru, Kelantan. Tel: 609-765-3754 Fax: 609-765-4339 Email: naheed@jph.gov.my	North East States of the Peninsular Malaysia such as Kelantan and Northern Trengganu.

Veterinary Research Institute 59, Jalan Sultan Azlan Shah P.O.Box 369, 30740 Ipoh, Perak. Tel: 605-545-7166 Fax: 605-546-3368 Email: shahir@jphvri.po.my	State of Perak and Reference Laboratory for Malaysia.
Animal Disease Research Center P.O.Box 59, 89457 Tanjung Aru Sabah. Tel: 6088-261263 Fax: 6088-232-488 Email: mikelee@adrcdvs.gov.my	State of Sabah
State Veterinary Dianogstic Laboratory Kota Samarahan 93632 Kuching, Sarawak. Tel: (6082) 611-607 Fax: (6082) 613460	State of Sarawak

FOOD QUALITY CONTROL LABORATORY (FQCL), MINISTRY OF HEALTH AROUND MALAYSIA

Laboratory	Areas Serviced
Food Quality Control Laboratory Perlis Jalan Hospital, 01000 Kangar Tel: (604) 976-8114 Fax: (604) 977-6369	Perlis
Food Quality Control Laboratory Penang Jalan Bagan Luar, 12000 Butterworth, Penang. Tel: (604) 332-4924 Fax: (604) 332-4924	Penang
Food Quality Control Laboratory Selangor Tingkat 1, Poliklinik Anika, Hospital Tengku Amouan Rahimah, 41586 Kelang Tel: (603) 331-8822 Fax: (603) 333-7154	Selangor
Food Quality Control Laboratory Johore d/a Pusat Kesihatan Tampoi, Batu 5, Jalan Skudai, 81200 Johor Bahru Johor. Tel: (607) 237-7206 Fax: (607) 235-9480	Johore

Food Quality Control Laboratory Pahang Tingkat 1 & 2, Lot 238 Jalan Bunga Tanjung, 28400 Mentakab, Pahang Tel: (609) 278-3085 Fax: (609) 278-3085	Pahang
Food Quality Control Laboratory Terengganu Bangunan JKR 47/1 Jalan Hospital Lama, 24000 Kuala Terengganu, Terengganu. Tel: (609) 623-1190 Fax: (609)623-1190	Terengganu
Food Quality Control Laboratory Jabatan Kesihatan Negeri Kelantan 16400 Peringat, Kota Bahru Kelantan Tel: (609) 712-9333 Fax: (609) 712-5333	Kelantan
Food Quality Control Laboratory Sabah Lot 4, Kawasan Perindustrian Ringan Batu 6 Jalan Petagas, Putatan, 88200 Penampang, Sabah Tel: (6088) 779-200 Fax: (6088) 762-473	Sabah
Food Quality Control Laboratory Sarawak Jalan Tun Abang Haji Openg 93590 Kuching Sarawak Tel: (6082) 417-995 Fax:(6082) 258-859	Sarawak

APPENDIX III. LOCAL AND OTHER CONTACTS

WORLD TRADE ORGANIZATION (WTO) ENQUIRY POINT

Each member government is responsible for the notification procedures associated with agreement under the World Trade Organization (WTO). Examples here relate to the Sanitary, PhytoSanitary (S.P.S.) and Technical Barriers to Trade (TBT) Agreements. WTO obligations include notifying any trade significant proposals which are not substantially the same as international standards to the WTO; providing copies of the proposed regulation upon request; allowing time for comments; and also to provide upon request copies of other relevant documents on existing regulations related to food and agriculture. Information on the country's regulations, standards and certification procedures can also be obtained through the Enquiry Point(s) listed below:

Director

Multilateral Trade Relations Ministry of International Trade & Industry Block 10, 5th Floor Kompleks Pejabat Kerajaan Jalan Duta 50622 Kuala Lumpur

Tel: (603) 6230-3022 Fax: (603) 6203-2337 <u>Http://www.miti.gov.my/</u>

Director

Food Safety and Quality Division Ministry of Health Malaysia Level 3, Block E7, Parcel E Federal Government Administration Centre 62518 Putrajaya

Tel: (603) 8883-3888 Fax: (603) 8889-4971 http://fsis.moh.gov.my/fgc/

APPENDIX IV. SCHEDULES

FIFTH SCHEDULE FOOD REQUIRING DATE MARKING

Biscuit, bread

Canned food for infants and children

Cereal-based food for infants and children

Chocolate, white chocolate and milk chocolate

Coconut cream, coconut milk, coconut paste, coconut cream powder and desiccated coconut

Edible fat and edible oil other than margarine in hermetically sealed containers

Food additives with a shelf life of less than 18 months

Infant formula

Liquid egg, liquid egg yolk, liquid egg white, dried egg, dried egg yolk and dried egg white

Low energy form of any food which requires date marking

Meat product in non-hermetically sealed containers

Milk and milk product other than hard cheese

Non-carbonated pasteurized soft drink and non-carbonated U.H.T soft drink

Nutrient supplement or preparation of nutrient supplement sold as food

Pasteurized fruit juice

Pasteurized vegetable juice

Peanut butter

Sauce

Seri kaya

Special purpose food

FIFTH A SCHEDULE (NUTRIENT CONTENT CLAIM)

TABLE 1 CONDITIONS FOR NUTRIENT CONTENTS FOR USE OF NUTRITION CLAIMS

Component	Claim	Conditions (Not more than)
Energy	Low	40 kcal (170kJ) per 100g (solids) or 20kcal (80 kJ) per 100ml (liquids)
	Free	4kcal per 100ml or 100g
Fat Low		3 g per 100 g (solids) 1.5 g per 100 ml (liquids)
	Free	0.15 g per 100g (or 100ml)
Saturated Fat	Low	1.5 g per 100 g (solids)
		0.75 g per 100 ml (liquids) and 10 per cent of total energy of the food
	Free	0.1 g per 100 g (solids) 0.1 g per 100 ml (liquids)
Cholesterol	Low	0.02 g per 100 g (solids) 0.01 g per 100 ml (liquids)
	Free	0.005 g per 100 g (solids) 0.005 g per 100 ml (liquids)
Trans Fatty Acid	Low	1.5 per 100 g (solids) 0.75 g per 100 ml (liquids) and and 10 per cent of total energy of the food
	Free	0.1 g per 100 g (solids) 0.1 g per 100 ml (liquids)
Sugar	Free	0.5 g 100 g (or 100 ml)
Sodium	Low	0.12 g per 100 g
	Very Low	0.04 g per 100 g
	Free	0.005 g per 100 g

TABLE 11
CONDITIONS FOR NUTRIENT CONTENTS FOR USE OF NUTRITION CLAIMS

Component	Claim	Conditions (not less than)
Protein*	Source	10 per cent of NRV per 100 g (solids) 5 per cent of NRV per 100 ml (liquids) or 5 per cent of NRV per 100 kcal
	High	(at least 2 times the values for "source of")
Vitamins and Minerals	Source	15 per cent of NRV per 100 g (solids) 7.5 per cent of NRV per 100 ml (liquids) or 5 per cent of NRV per 100 kcal
	High	(At least 2 times the values for "source of")

Note: - (*) Nutrient Reference Value Protein (g) 50

SIXTH SCHEDULE PERMITTED PRESERVATIVE THAT MAY BE ADDED TO SPECIFIED FOOD AND THE MAXIMUM PERMITTED PROPORTION IN EACH CASE TABLE I

	PRESERVATIVE (Maximum permitted proportion in milligram per kilogram (mg/kg)		
Food	Sulphur Dioxide (or sulphites calculated as sulphur dioxide)	Benzoic acid (or sodium benzoate calculated as benzoic acid)	Sorbic acid (or its sodium, calcium or potassium salts calculated as sorbic acid)
Cheese, processed cheese, cheese paste and dried cheese	Nil	Nil	1,000
Chilli slurry	Nil	1,000	Nil
Cider	200	Nil	Nil
Curry paste	Nil	350	Nil
Dextrose anhydrous and dextrose monohydrates	20	Nil	Nil
Edible gelatin	1,000	Nil	Nil
Essence and flavoring emulsion	800	350	800
Fermented soya bean product	Nil	1,000	Nil
Fish paste, belacan, cincalok, otak udang and pekasam	Nil	750	Nil
Flavored drink concentrate requiring more than 50 times dilution and the addition of sugar	Nil	2,000*	Nil
Fructose	20	Nil	Nil
Fruit-candied, dried, dried candied including kundur, peel and sugar coated nutmeg	2,000	350	500
Fruit juice- concentrated	350	800	800
Fruit (preserved) not otherwise specified in this Schedule	550	750	750

Food	PRESERVATIVE (Maximum permitted proportion in milligram per kilogram (mg/kg)		
	Sulphur Dioxide (or sulphites calculated as sulphur dioxide)	Benzoic acid (or sodium benzoate calculated as benzoic acid)	Sorbic acid (or its sodium, calcium or potassium salts calculated as sorbic acid)
Fruit pulp	350	1,000	1,000
Fruit pulp for manufacturing	1,000	1,000	1,000
Ginger (dry)	150	Nil	Nil
Glucose syrup	300	Nil	Nil
High fructose glucose syrup	40	Nil	Nil
Icing sugar	20	Nil	Nil
Jam, fruit, jelly and marmalade	100	450	450
Jam, fruit jelly and marmalade as low energy food	100	450	450
Margarine	Nil	1,000	1,000
Meat-uncooked manufactured other than meat burger	150	Nil	400
Pectin and jam setting compound	250	Nil	Nil
Perry	200	Nil	Nil
Pickle other than fruit pickle and vegetable pickle	140	350	350
Sauce not otherwise specified in this Schedule	300	750	Nil
Soft drink for direct consumption excluding mineral water	140	350	350
Sugar	20	Nil	Nil
Tomato-pulp, paste and puree	100	Nil	Nil
Topping	230	800	800

Food	PRESERVATIVE (Maximum permitted proportion in milligram per kilogram (mg/kg)		
	Sulphur Dioxide (or sulphites calculated as sulphur dioxide)	Benzoic acid (or sodium benzoate calculated as benzoic acid)	Sorbic acid (or its sodium, calcium or potassium salts calculated as sorbic acid)
Vegetable-dried, salted, pickled, dried salted, dried pickled	2,000	750	500
Vinegar-distilled, blended and artificial	70	Nil	Nil
Wine, wine cocktail, aerated wine, dry wine, sweet wine, fruit wine excluding cider and perry, vegetable wine, honey wine, rice wine and toddy	450	Nil	200

Notes:

- 1. Where the word "nil" appears, this means that the substance is prohibited in that food.
- 2. "*" indicates level before dilution

SIXTH SCHEDULE TABLE II

(1) Food	(2) Preservative
Bread	Propionic acid and its sodium, potassium and calcium salts
Canned meat, canned manufactured meat Canned meat with other food Corned, cured pickled or salted meat	Sodium nitrate Sodium nitrite Potassium nitrate Potassium nitrite
Coloring preparation (liquid form)	Benzoic acid
Flour confection	Sorbic acid and its sodium, potassium and calcium salts Propionic acid and its sodium, potassium and calcium salts

SEVENTH SCHEDULE PERMITTED COLORING SUBSTANCE

TABLE I

1. The following synthetic dyes are permitted to be used as coloring substances in food:

(1) Common Name of Color	(2) Scientific Name	(3) Color Index Number
Allura Red AC	disodium salt of 6-hydroxy-5-[(2-methoxy-5-methyl-4-sulfophenyl)-azo]-2-naphthalene sulfonic acid	16035
Amaranth	trisodium salt of 1-(4-sulpho-l- naphthylazo)-2-naphthol-3:6-sulphonic acid	16185
Brilliant Black PN	tetrasodium salt of 8-acetamido-2 (7-sulpho-4-p-sulphophenylazo-l-naphthylazo)-l-napthol-3:5-disulphonic acid	28440
Brilliant Blue FCF	disodium salt of 4-[(4-(N-ethyl-p-sulpho- benzylamino)-phenyl]-(2-sulpho- niumphenyl)-methylene)[I-(N-ethyl-N-p- sulphobenzyl)-,L2,5_Cyclohexadienimine]	42090
Carmoisine	disodium salt of 2-(4-sulpho-l- naphthylazo)-1-naphthol-4 sulphonic acid	14720
Chocolate Brown HT	disodium salt of 2:4-dihydroxy-3:5-di-(4-sulpho-l-naphthylazo) benzyl alcohol	20285
Erythrosine BS	disodium or dipotassium salt of 2:4:5:7- tetraiodo-fluorescein	45430
Fast Green FCF	disodium salt of 4-([4-(N-ethyl-p-sulpho-benzylamino)-phenyl]-(4-hydroxy-2-sulphoniumphenyl)-methylene)-[I-(N-ethyl-N-p-sulphobenzyl)- L2,5cyclohexadienimine)	42053
Green S	disodium salt of di-(p-dimethylamino- phenyl-2-hydroxy-3:6-disulphonapthyl- methanol anhydride	44090
Indigotine	disodium salts of a mixture of indigo 5:5'- disulphonic acid and indigo-5:7'- disulphonic acid	73015
Ponceau 4R	trisodium salt of 1-(4-sulpho-i- naphthylazo)-2-naphthol-6:8-disulphonic acid	16255

(1) Common Name of Color	(2) Scientific Name	(3) Color Index Number
Quinoline Yellow	disodium salt of disulfonates of 2-(2-quinolyl)indan-1, 3-dione	47005
Red 2G	disodium salt of 8-acetamido-2- phenylazo-t-napthol-3:6-disulphonic acid	18050
Sunset Yellow FCF	disodium salt of 1-p-sulphophenylazo-2- naphthol-6-sulphonic acid	15985
Tartrazine	trisodium salt of 5-hydroxyl-p- sulphophenyl-4-sulpho- phenylazopyrazole-3-carboxylic acid	19140

- 2. The color index numbers specified in column (3) of the Table above refer to the numbers allotted in the edition of the Color Index published in 1971 jointly by the Society of Dyers and Colorists of the United Kingdom and the Association of Textile Chemists and Colorists of the United States of America.
- 3. The synthetic dyes specified in the Table above shall conform to the following standard:

Pure dye	minimum percentage 85%
Water insoluble matter	maximum percentage 0.1%
Subsidiary dye	maximum percentage 4%
Ether extractable matter	maximum percentage 0.2%
Intermediates	maximum percentage 0.5%

Provided that the minimum percentage of pure dye and the maximum percentage of subsidiary dye for Brilliant Black PN and Chocolate Brown HT shall be as follows:

Pure dye	minimum percentage 70%
Subsidiary dve	.maximum percentage 15%

TABLE II

- 1. Other coloring substances permitted to be used in food:
 - a. Carmine (color obtained and prepared from cochineal) and caramel.
 - b. The following coloring matter natural to edible fruits or vegetables: annatto, anthocyanin, carotene, chlorophyll, saffron, tumeric or their pure coloring principles whether isolated from such natural colours or produced synthetically.
 - c. B-apo-8' carotenal and ethyl ester of B-apo-8" Carothenoic acide and Canthaxan-thino.
 - d. Bole or iron oxide, titanium dioxide, and solely for the external coloring of dragees and the decoration of sugarcoated flour confectionery.
 - e.The Aluminium salts (Lakes) of any of the scheduled synthetic dyes as in Table I.

TABLE III

The following diluents are permitted to be used in coloring preparation:

1. For coloring preparation in powdered form:

anhydrous sodium sulphate sodium chloride sucrose dextrose cornflour

2. For coloring preparation in liquid form:

water
ethyl alcohol
edible oil
sugar syrup
sorbitol
glycerine
propylene glycol

starch

EIGHTH SCHEDULE TABLE I

PROHIBITED FLAVORING SUBSTANCE

The following flavoring substances are prohibited to be used in food:

Aloin

Beberine

Beta-Azarone

Cade oil

Calamus oil

Cocaine

Coumarin

Diethylene glycol

Diethylene glycol monoethyl ether

Hypericine

Nitrobenzene

Pyroligenous acid

Safrole and isosafrole

Santonin

Sasafras oil

Any other flavoring substance that is injurious or likely to be injurious to health.

EIGHTH SCHEDULE - TABLE 11

PERMITTED FLAVORING SUBSTANCE THAT MAY BE ADDED TO SPECIFIED FOOD AND THE MAXIMUM PERMITTED PROPORTION IN EACH CASE

(1) Flavoring substance	(2) Food	(3) Maximum permitted proportions in milligram per kilogram (mglkg)
Agaric acid	Beverages other than alcoholic beverages	20
	and shandy	
	Alcoholic beverages, shandy, food containing mushroom	100
	Other processed foods	20
Total hydrocyanic acid (free and combined)	Beverages other than alcoholic beverages and shandy	1
	Confection other than marzipan	25
	Marzipan	50
	Stone fruit juice	5
	Other processed foods	1
Pulegone	Beverages other than alcoholic beverages, shandy, peppermint or mint flavored beverages	100
	Peppermint or mint flavored beverages	250
	Mint confectionery	350
	Other processed foods	25
Quassin	Beverages other than alcoholic beverages and shandy	5
	Pastilles	10
	Alcoholic beverages, shandy	50
	Other processed foods	5

(1) Flavouring substance	(2) Food	(3) Maximum permitted proportions in milligram per kilogram (mglkg)
Quinine	Beverages other than alcoholic beverages and shandy	85
	Alcoholic beverages, shandy	300
	Other processed foods	0.1
Thujones	Beverages other than alcoholic beverages and shandy	0.5
	Alcoholic beverages containing more than 25 percent v/v of alcohol	10
	Alcoholic beverages containing less than 25 percent v/v of alcohol	5
	Other processed foods	0.5

NINTH SCHEDULE PERMITTED FLAVOR ENHANCER

- 1. Monosodium salt of L-Glutamic Acid (Monosodium L-Glutamate)

 The above mentioned flavor enhancer shall contain not less than 99% of the monosodium salt calculated on a water-free basis, and derived solely from vegetable sources.
- 2. Sodium or Calcium Salts of Guanylic Acid or Inosinic Acid or a combination of these The above mentioned flavor enhancers shall contain not less than 97% and not more than the equivalent of 102% of the sodium or calcium salt of guanylic or inosinic acid calculated on a waterfree basis, and derived solely from animal or vegetable sources.
- 3. Yeast extract or dried inactive yeast or autolyzed yeast or a combination of these
 The above mentioned flavor enhancers shall not contain more than 0.04 mg per gram
 of total folic acid (approximately 0.008 milligram of pteroyglutamic acid per gram of yeast)
 and derived solely from Saccharomyces cerevisiae or Saccharomyces fragilis or torula
 yeast (Candida utilis) or a combination of these.

TENTH SCHEDULE

PERMITTED ANTIOXIDANT THAT MAY RE ADDED TO SPECIFIED FOOD AND THE MAXIMUM PERMITTED PROPORTION IN EACH CASE

TABLE I

AN	TIOXIDANT								
[Maximum permitted proportion in milligram per kilogram (mg/kg)]									
Food	Propyl, octyl or deodecyl gallate or any mixture thereof	Butylated hydroxy- anysole (BHA)	Butylate d hydroxy- toulene (BHT)	Any mixtur e of BHA and BHT	Tertiary butylhyd ro- quinone (TBHQ)	Any mixture of gallates with BHA or BHT and/or TBHQ			
Chewing gum	Nil	200	Nil	Nil					
Coconut cream, coconut Cream powder and peanut butter	100	200	200	200	200	200			
Edible oil and edible fat and ghee (on fat basis)	100	200	200	200	200	200 (gallates not to exceed 100 mg/kg)			
Vitamin oil and concentrate	100	200	200	200	Nil	Nil			
Partial glycerol ester	100	200	200	200	Nil	Nil			
Essential oil including their flavoring constitutent isolate and concentrate	100	200	200	200	Nil	Nil			

NOTE: Where the word "Nil" appears, this means that the substance is prohibited in that food.

ANTIOXIDANT							
[Maximum permitted proportion in milligram per kilogram (mg/kg)]							
Food	Isopropyl citrate or monoisopropyl citrate	Sodium erythrobate					
Chewing gum	Nil	Nil					
Coconut cream, coconut Cream powder and peanut butter	100	Nil					
Edible oil and edible fat and ghee (on fat basis)	100	Nil					
Vitamin oil and concentrate	100	Nil					
Partial glycerol ester	100	Nil					
Essential oil including their flavoring constitutent isolate and concentrate	100	Nil					
Wine	Nil	100mg/I					

NOTE: Where the word "Nil" appears, this means that the substance is prohibited in that food.

TABLE II ANTIOXIDANT THAT MAY BE ADDED TO SPECIFIED FOOD

	T
FOOD	ANTIOXIDANT
Coconut cream, coconut cream powder and	
peanut butter	
Edible oil and edible fat and ghee (on fat	
basis)	Tocopherols
Essential oil including its flavouring	'
constituent isolate and concentrate	
Manufacture meat	
Vitamin oil and its concentrate	
Coconut cream, coconut cream powder and	
peanut butter	
Edible oil and edible fat and ghee (on fat	Ascorbic acid
basis)	
Fruit nectar	
Coconut cream, coconut cream powder and	
peanut butter	Ascorbyl palmitate
Edible oil and edible fat and ghee (on fat	
basis)	

Note: The maximum permitted proportion of antioxidant added to food shall be governed by Good Manufacturing Practice (GMP).

ELEVENTH SCHEDULE PERMITTED FOOD CONDITIONER TABLE I

The following food conditioners listed under their class names are permitted in food:

I Emulsifiers and Anti-foaming agents

Acetylated monoglycerides

Dimethylpolysiloxane

Glyceryl monostrearate

Lecithins

Monoglycerides and diglycerides and their lactic, tartaric, diacetyl tartaric and citric acidesters

Phosphoric acid (orthophosphoric acid) and its sodium, potassium and calcium monobasic, dibasic, and tribasic salt

Polyglycerol esters of fatty acid

Polyglycerol esters of interesterified ricinoleic acid

Polyoxyethylene sorbitan fatty acid esters

Propylene glycol alginate

Propylene glycol monoesters and diesters

Silicon dioxide amorphous

Sodium aluminium phosphate (basic)

Sodium and potassium pyrophosphates (tetrasodium and tetrapotassium diphosphates) and so-

dium and potassium acid pyrophosphates (disodium and dipotassium dihydrogen diphosphate)

Sodium and potassium salts of fatty acid which are derived from edible vegetable oil andedible

vegetable fat

Sodium and potassium tripolyphosphates

Sodium, potassium and calcium polyphosphates

Sorbitan fatty acid esters

Stearoyl lactylic acid and its sodium and calcium salt

Sucroglycerides

Sucrose esters of fatty acid

Stabilisers, thickeners, modified starches and gelling agents

Acacia (gum arabic)

Agar

Alginic acid and its sodium, potassium, calcium and ammonium salts,, and propylene glycol alginate

Ammonium salts of phosphatidic acid

Calcium disodium ethylenediamine tetra-acetate

Calcium, trisodium and tripotassium citrate

Calcium glyconate

Calcium lactate

Calcium sulphate

Carbonate and bicarbonates of sodium, potassium, calcium and ammonium Carob bean gum (locust bean gum),

Carrageenan

Casein and its sodium, calcium and potassium compounds

Powdered cellulose, methyl cellulose, methyl ethyl cellulose, sodium carboxymethylcellulose, microcrystalline cellulose, hydroxypropyl cellulose, and hydroxypropyl methylcellulose

Dextrin

Dioctyl sodium sulfosuccinate

Flour and starch

Furcelleran

Gelatin

Guar gum

Karaya gum

Magnesium hydroxide

Modified starches

Nitrous oxide

Pectin

Penta potassium and penta sodium triphosphate (potassium and sodium

tripolyphosphate) Phosphoric acid (orthophosphoric acid) and its sodium, potassium and calcium monobasic, dibasic, and tribasic salts

Potassium acetate

Potassium and calcium salts of hydrochloric acid

Potassium nitrate

Propylene glycol

Sodium and potassium pyrophosphate (tetrasodium and tetrapotassium diphosphate)

Sodium and potassium dihydrogen citrate

Sodium, potassium and calcium polyphosphate

Sorbitol

Tragacanth gum

Xanthan gum

Acid Regulators

Acetic acid, citric acid, fumaric acid, lactic acid, malic acid, tartaric acid and the sodium, potassium and calcium salts of the acid set forth in this group Adipic acid Carbonates and bicarbonates of sodium, potassium, calcium, ammonium and magnesium Glucono delta-lactone Hydroxides of sodium, potassium, calcium and ammonium Phosphoric acid (orthophosphoric acid) and its sodium, potassium and calcium monobasic, dibasic and tribasic salts

Sodium aluminium phosphate

Vinegar

Enzymes

Amylase

Amyloglucosidase

Bromelain

Catalase

Cellulase

Dextranase

Ficin

Glucanase

Glucose isomerase

Glucose oxidase

Invertase

Malt carbohydrases

Papain

Pectinase

Pepsin

Protease

Proteinase

Pullulanase

Rennet and protein congulating enzymes

Lactase

Lipase

Solvents

Ethyl acetate

Ethyl alcohol

Glycerol, glyceryl monoacetate, glyceryl diacetate, and triacetin

Isopropyl alcohol

Propylene glycol

Anticaking agent

Aluminium silicate

Calcium aluminium silicate

Calcium phosphate tribasic

Calcium silicate

Magnesium carbonate

Magnesium oxide

Magnesium phosphate tribasic

Magnesium silicate

Salts of myristic, palmitic and stearic acids with bases (sodium, potassium, calcium,

aluminium, magnesium and ammonium)

Silicon dioxide amorphous

Sodium alumino silicate

ELEVENTH SCHEDULE - TABLE 11 FOOD CONDITIONER THAT MAY BE ADDED TO SPECIFIED FOOD

(1) Food	(2) Food Conditioner					
Artificial sweetening	ethyl maltol					
substance	magnesium stearate					
	maltol					
	microcrystalline cellulose					
	polyethylene glycol (in tablet form only)					
	polyvinylpyrrolidone					
	silicon dioxide					
	stearic acid					
	tricalcium phospate (in granular and powder form only)					
Beer	fining agents sulphur dioxide and ascorbic acid					
Bread	ammonium chloride					
	calcium and sodium salt of fatty					
	acid lactylates and fumarates					
Chewing gum and bubble gum	ß-cylodextrin					
Chocolate, white chocolate	polyglycerol polyricinoleate					
Colouring preparation (liquid form)	acidity regulators					
Cured, pickled or salted	ascorbic acid					
fish	sodium ascorbate					
	isoascorbic acid					
	sodium isoascorbate					
Dried banana	ascorbic acid					
Evaporated milk and evaporated filled milk	sodium salts of hydrochloric acid					
Flavoured drink	ß-cylodextrin					
Flavoured syrup	ascorbic acid					
(1)	(2)					

Food	Food Conditioner				
Flour	ascorbic acid				
	benzoyl peroxide				
	sulphur dioxide or sulphites				
Flour confection	ammonium chloride				
	calcium and sodium salts of fatty				
	acid lactylates and fumarates				
Fruit drink	Ascorbic acid				
Fruit juice and fruit pulp	Ascorbic acid				
Fruit juice drink	Ascorbic acid				
lodised table salt	sodium thiosulphate				
Meat paste and	ascorbic acid				
manufactured meat	sodium ascorbate				
	isoascorbic acid				
	sodium isoascorbate				
Pasta	Sodium silicate sulphur dioxide and sulphites				
Salt	potassium ferrocyanide				
	sodium ferrocyanide				
	ferric ammonium citrate				
Wheat flour and protein	b-cysteine				
increased wheat flour for bread	Azodicarbonamide, calcium peroxide				
Wine, aerated wine, dry	fining agents				
wine, sweet wine, fruit wine, vegetable wine and honey wine	polyvinylpyrrolidone				

TWELFTH SCHEDULE PERMITTED NUTRIENT SUPPLEMENT

TABLE 1

The following nutrient supplements are permitted in food:

1. Vitamin and Mineral

Iron (Fe)

Pantothenic acide
Calcium pantothenate
D-pantothenic acid
D-pantothenyl alcohol
Pathenol

Iron (III) - Casein complex

Carbonyl iron Electrolytic iron Ferric ammonium citrate Ferric caseinate Ferric citrate Ferrous gluconate Ferric phosphate Ferric pyrophosphate Ferrous carbonate, stabilized Ferrous citrate Ferrous fumarate Ferrous gluconate Ferrous lactate Ferrous cuccinate Ferrous sulphate Hydrogen reduced iron

Sodium ferric pyrophospate

Biotin (Vitamin H) d-biotin

Folate Folacin Folic acid

Phosphorus (P)
Calcium phosphate (mono, di-and tri-basic)
Magnesium phosphate (di and tri basic)
Potassium phosphate (mono and di basic)
Sodium phosphate (di basic)

Inositol

Iodine (I) Potassium iodate Potassium iodide Sodium iodate Sodium iodide

Potassium (K)

Potassium bicarbonate

Potassium carbonate

Potassium chloride

Potassium citrate

Potassium gluconate

Potassium glycerosphate

Potassium Phosphate (mono and di basic)

Calcium (Ca)

Calcium carbonate

Calcium chloride

Calcium citrate

Calcium gluconate

Calcium glycerophosphate

Calcium lactate

Calcium oxide

Calcium phospate (mono, di and tri basic)

Calcium pyrophosphate

Calcium sulphate

Chloride (CI)

Calcium Chloride

Choline Chloride

Magnesium Chloride

Manganese Chloride

Potassium Chloride

Sodium Chloride

Sodium Chloridem iodized

Choline

Choline bitartrate

Choline Chloride

Copper (Cu)

Copper gluconate

Cupic carbonate

Cupric citrate

Cupric sulphate

Magnesium (Mg)

Magnesium carbonate

Magnesium chloride

Magnesium oxide

Magnesium phosphate (di basic and tri basic)

Magnesium sulphate

Manganese (Mn)

Manganese carbonate

Manganese chloride

Manganese citrate Manganese sulphate

Sodium (Na)

Sodium ascorbate

Sodium bicarbonate

Sodium carbonate

Sodium chloride

Sodium chloride, iodized

Sodium citrate

Sodium ferric pyrophospate

Sodium gluconate

Sodium iodate

Sodium iodide

Sodium lactate

Sodium pantothenate

Sodium phospate (mono, di and tri basic)

Sodium sulphate

Sodium tartate

Niacin/Nicotinic acide

Nicotinamide/Niacinamide

Pro Vitamin A

Beta-carotene

Riboflavin (Vitamin B2)

Riboflavin

Riboflavin – 5-phosphate

Riboflavin 5' – phosphate sodium

Selenium

Sodium selenate

Sodium selenite

Milk - Protein Iron Complex (MPIC)

Taurine

Thiamine (Vitamin B1)

Thiamin chloride hydrochloride

Thiamin hydrochloride

Thiamin mononitrate

Vitamin A

Retinol (Vitamin A alcohol)

Retinyl acetate (Vitamin A acetate)

Retinyl palmitate (Vitamin A palmitate)

Ritinyl propionate

Vitamin B6

Pyridoxal

Pyridoxamine

Pyridoxine

Pyridoxine hydrochloride

Vitamin B12 Cyanocobalamin Hydorxycobalamin

Vitamin C Ascorbic acid Ascorbyl palmitate Calcium ascorbate Sodium ascorbate

Vitamin D Cholecalciferol-cholesterol Vitamin D2 (Ergocalciferol) Vitamin D3 (Cholecalciferol)

Vitamin E d-alpha-tocopherol dl- alpha-tocopherol acetate dl- alpha-tocopherol acetate d-alpha-tocopherol succinate dl- alpha-tocopherol succinate Tocopherol

Vitamin K1 Phytylmenaquinone

Zinc (Zn)
Zinc acetate
Zinc chloride
Zinc oxide
Zinc sulphate

Amino acids

Isoleucine Lysine Methionine Phenylalaline Theronine Trytophan Valine Histidine Arginine

Fatty Acids

Alpha-linolenic acid Arachidonic acid Docosahexaenoic acid Eicosapentaenoic acid Linoleic acid Linolenic acid

Nucleotides

Adenosine 5' – monophosphate Cytidine 5' – monophosphate Guanosine 5'- monophosphate Inosine 5' – monophosphate Uridine - monophosphate

Note:

Except as otherwise provided in these Regulations, the maximum nutrient supplement shall be governed by Good Manufacturing Practice (GMP).

TABLE II

	NUTRIENT SUPPLEMENT									
(1) Food (Reference Quantity: 100 grams)	Vitamin A, Vitamin A alcohol and esters, carotenes (I.U. of Vitamin A)*	thiamine, thiamine, thiamine gydrochlori de, ms thiamine mononitrad B2, ribo		vitamin B2, pyridozine, pyridozal, pyridozami ne (milligrams of pyridoxami ne)	Biotin (microgra ms of biotin)					
Bread	500	0.21	0.33	0.42	40					
Breakfast cereal (as purchased)	2,000	0.83	1.33	1.67	165					
Condensed milk- sweetened and unsweetened; filled milk and condensed filled niilk-sweetened- and un- sweetened	670	0.82	0.44	0.56	55					
Dried milk powder (Full creatn or skimmed).	2,000	0.83	1.33	1.67	165					
Extract of meat or vegetable or yeast (modified or	12,000	5.00	8.00	10.00	1,000					
Flour (wheat)	1,000	0.42	0.67	0.83	85					
Malted milk powder.	4,000	1.67	2.67	3.33	335					
Other solid food not specified above excluding canned food for infants and children and cereal based food for infants and children	1,000	0.42	0.67	0.83	85					

(1)	Vitamin A, Vitamin A	Vitamin B1, thiamine,	Vitamin B2, riboflavin	vitamin B2, pyridozine,
Food	alcohol	thiamine	(milligrams	pyridozal,
	and esters,	gydrochloride	of	pyridozamine

		carotenes (I.U. of Vitamin A)*		, thiamine mononitrade (milligrams of thiamine)		riboflavin)		(milligrams of pyridoxamine)		
Liquid food including vegetable juice, fruit juice, fruit juice concentrate, fruit syrup, flavored syrup (diluted according to directions)		600		0.25		0.4	0.40		0.50	
			NUTR	IENT S	UPPLEME	NT				
Food	Panthothen ic acid, panthothen yl alcohol (milligrams of pantotheni c acid)		Niacin, niacinami de, nicotinic acid, nicotinami de (milligram s of niacin)		Vitami C, ascort acid (milligi ms of ascort acid)	oic ra	Vitamin D, vitamin D2, vitamin D3 of (I.U. of vitamin D)*		Vitamin E, alphatocop herol (I.U. of vitamin E)*	
Bread	1.4	6	2.3		6		83		4.2	
Breakfast cereal (as purchased)	5.83		9.2	9.2			333		16.7	
Condensed milk- sweetened and unsweetened; filled milk and condensed filled nilk-sweetened-and un- sweetened	1.94		3.1		8		111		5.6	
Dried milk powder (Full creatn or skimmed)	5.8	3	9.2		25		333		16.7	
Extract of meat or vegetable or yeast (modified or	35.	00	55.0	55.00			2,000		100.0	
Flour (wheat)	2.9	2	4.6		13		167		8.3	
Malted milk powder.	11.	67	18.3	18.3			667		33.3	
	<u> </u>	N	IUTRII	ENT SU	JPPLEMEI	NT				
Panthoti Food acid, panthoti alcohol			niacina		cinamide otinic	, a	Vitamin C, ascorbic acid (milligrams		Vitamin D, vitamin D2, vitamin D3 of (I.U. of	

	(milligrams of pantothenic acid)	nicotinamide (milligrams of niacin)	of ascorbic acid)	vitamin D)*
Other solid food not specified above excluding canned food for infants and children and cereal based food for infants and children	2.92	4.6	13	167
Liquid food including vegetable juice, fruit juice, fruit juice concentrate, fruit syrup, flavored syrup (diluted according to directions)	1.75	2.8	8	100

NUTRIENT SUPPLEMENT

Food	(m m	Calcium (milligra ms of calcium)		milligra (microg rams of		icrog ns of	Iron (milligra ms of iron)		Phosphor us (milligra m of phosphor us)		(microgr ams of folic		Vitamin B12 (microg rams of vitamin B12
Bread	15	50	20		2.1		150		8		0.3		
Breakfast cereal (as purchased)	58	80	85		0.3	0.3			32		1.2		
Condensed milk- sweetened and unsweetened; filled milk and condensed filled niilk-sweetened- and un- sweetened	19	190		30 2.		2.8 190		11			0.4		
Dried milk powder (Full creatn or skimmed)	58	30	85		4.3		580		32		1.2		
Extract of meat or vegetable or yeast (modified or	3,	500	500		50.0		3,500		192		7.2		
Food	Calcium (milligra ms of calcium		(micro		ogr of	ogr (milli of ms o		s (mil of	' (lligram n		olic acid microgra as of folic cid)		
Flour (wheat)	290			40	4.2		290) 10		6		
Malted milk powder		1,170		165		16.	7	1,1	70 64		4		

NUTRIENT SUPPLEMENT								
Food	Calcium (milligra ms of calcium)	lodine (microgr ams of iodine)	Iron (milligra ms of iron)	Phosphoru s (milligram of phosphoru s)	Folic acid (microgra ms of folic acid)			
Other solid food not specified above excluding canned food for infants and children and cereal based food for infants and children	290	40	4.2	290	16			
Liquid food including vegetable juice, fruit juice, fruit juice concentrate, fruit syrup, flavored syrup (diluted according to directions)	180	25	2.5	180	9.6			

NOTE:

In place where the symbol "*" appears, it means that the substance may be expressed in milligrams or micrograms using the following conversioin factor:

- a. in column (2) 1 I.U. Vitamin A is equivalent to 0.3 micrograms Vitamin A alcohol (retinol);
- b. in column (10) 1 I.U. Vitamin D is equivalent to 0.025 micrograms Vitamin D2/Vitamin D3; and
- c. in column (11) 1 I.U. Vitamin E is equivalent to 1 microgram dl-alphatocopheryl acetate."/

TABLE III

For preparation containing nutrient supplement to be sold as food, such preparation shall not contain any of the nutrient supplement specified in column (1) of the Table below in excess of the amount specified opposite thereto in column (2) of the said Table.

(1) Nutrient Supplement	(2) Maximum amount permitted daily
Vitamin A	5,000 I. U.
Thiamine	2.2 milligram
Riboflavin	3.2 milligram
Pyridoxine	4 milligrams
Biotin	400 micrograms
Pantothenic acid	14 milligrams
Niacin	22 milligrams
Ascorbic acid	100 milligrams
Vitamin D	800 I.U.
Vitamin E	50 I. U.
Calcium	1.4 grams
Iodine	200 micrograms
Iron	20 milligrams
Phosphorus	1.4 grams
Folic Acid	400 micrograms
Vitamin B12	4 micrograms

TWELFTH A SCHEDULE

Permitted Bifido Bacteria in Food

(1) Name	(2) Minimum viable cells/g
Bidobacterium lactis (L-form)	10 ⁶
Bidobacterium longum (L-form)	10 ⁶

THIRTEENTH SCHEDULE

TEST FOR PACKAGES

A. TEST FOR PACKAGES, APPLIANCES, CONTAINERS AND VESSELS USED FOR STORAGE OF FOOD

1. Preparation:

The surface of the ware to be tested shall be washed in water containing detergent and rinsed with clean water. The surface to be tested shall not be handled thereafter.

All remnants of water shall be removed from the washed ware by rinsing it with leaching solution that comprises 4 per cent of acetic acid in water v/v.

2. Test:

The ware shall then be filled with the leaching solution at room temperature to the maximum capacity- of the ware.

The ware shall be covered to minimise contamination and shall be left at room temperature for 24 hours.

After the period of 24 hours, the leaching solution shall be thoroughly stiffed and a portion shall be removed for analysis.

The leachate shall not contain antimony, arsenic, cadmium or lead above the following limits, expressed in ppm:

Sb	As	Cd	Pb
0.2	0.2	0.2	2.0

B. TEST FOR PACKAGES, APPLIANCES, CONTAINERS AND VESSELS USED FOR

COOKING 1.

Preparation:

As in A above.

2. Test:

The ware shall be heated to 120'C and filled to two-thirds of its effective volume with boiling leaching solution (4 per cent of acetic acid in water v/v). The vessels shall be covered, by its own lid, if any, and the leaching solution shall be kept boiling gently for 2 hours. Leaching solution shall be added periodically to ensure that the area of contact is not diminished. The vessel shall then be left at room temperature for 22 hours.

After 22 hours, the volume of the leaching solution shall be restored to two-third of the effective volume of the vessel. After thorough stirring, a portion of the leaching solution shall be removed for analysis.

The leachate shall not contain antimony, arsenic, cadmium, or lead above the following limits, expressed in ppm:

Sb	As	Cd	Pb
0.7	0.7	0.7	7.0

FOURTEENTH SCHEDULE

MAXIMUM PERMITTED PROPORTION OF METAL CONTAMINANT IN SPECIFIED FOOD

TABLE I

METAL CONTAMINANT						
	(Maximu				illigram per kilogr	ram (mg/kg)
Food	Arsenic	Lead	Tin	Mercury	Cadminium	Antimony
Flavoring substance	1	2	40	0.05	1	1
Baking powder, cream of tartar	2	2	40	0.05	1	1
Milk and milk product	0.5	1	40	0.05	1	1
Sweetening substance:						
i. other than glycerol, molasses,	1	0.5	40	0.05	1	1
saccharin and sorbitol						
ii. molasses	1	2	40	0.05	1	1
Honey	1	0.5	40	0.05	1	1
Meat and meat product other than	1	0.5	40	0.05	1	1
edible gelatin						
Edible gelatin	2	2	40	0.05	1	1
Fish and fishery product:						
i. Predatory	1	2	40	1*	1	1
ii. Others	1	2	40	0.5*	1	1
Edible fat and edible oil	0.1	0.1	40	0.05	1	1
Vegetable product and fruit	1	2	40	0.05	1	1
product other than vegetable juice						
and fruit juice						
Vegetable juice and fruit juice	0.1	0.5	40	0.05	1	0.15
Tomato pulp, paste and puree	2	2	40	0.05	1	1
Tea, tea dust, tea extract and	1	2	40	0.05	1	1
scented tea						
Coffee, chicory and related	1	2	40	0.05	1	1
products						
Cocoa and cocoa product	1	2	40	0.05	1	1
Spice and other curry powder	5	2	40	0.05	1	1
Curry powder	1	2	40	0.05	1	1
Sauce	1	2	40	0.05	1	1
Pickle	1	2	40	0.05	1	1
Alcoholic beverage and vinegar	0.2	0.5	40	0.05	1	0.15
Soft drink:	0.2	0.0	10	0.00	'	0.10
i. Requiring dilution	0.5@	1@	40@	0.05@	1@	0.15@
ii. For direct consumption	0.1	0.1	40	0.05	1	0.15
Special purpose food:	1					
i. infant formula	0.1	0.5	40	0.05	1	1
ii. Canned food for infants						
and children	0.1	0.5	40	0.05	1	1
iii. Cereal-based food for						
infants and children	0.1	0.5	40	0.05	1	1
Any food for which no other limit is						
specified, excluding water and food						
additive**	1	2	40	0.05	1	1
For food packed in can and tin foil						
other than infants formula, canned						

food for infants and children and						
cereal-based food for infants and						
children (for Sn content only)	*	*	*	*	*	*

NOTES:

- 1. ** The maximum permitted proportion of metal contaminant in food additive, other than flavouring substance, coloring substance and edible gelatin, shall be governed by good manufacturing practice.
- 2. * means that the maximum permitted proportion shall be as specified for the respective food in the Table
- 3. @ indicates level before dilution
- 4. # indicates methyl mercury

TABLE II

	METAL CONTAMINANT (Maximum permitted proportion in milligram per kilogram (mg/kg)				
Food	Arsenic	Lead	Antimony	Cadminium	Barium
Coloring substance	3 10 50 50 50				
(100 mg/kg of any combination of these substances)					ostances)

FOURTEENTH A SCHEDULE

MAXIMUM PERMITTED PROPORTION OF 3-MONOCHOLOROPROPRANE-1,2-DIOL (3-MCPD) IN SPECIFIED FOOD

FOOD	MAXIMUM PERMITTED PROPORTION IN
	FOOD (MG/KG)
All foods containing acid hydrolysed	0.02
vegetable protein (liquid foods)	
All foods containing acid hydrolysed	0.05
vegetable protein (solid foods)	
Acid hydrolysed vegetable protein	1.0

FIFTEENTH SCHEDULE MICROORGANISMS AND THEIR TOXINS

TABLE 1

MICROBIOLOGICAL STANDARD

Food	Total Plate Count at 37°C for 48 hr	Coliform Count at 37°C for 48 hr	Escherichia coli Count
Pasteurized milk, pasteurized cream and milk powder (including full cream and skim milk powder)	10 ⁵ per g or per ml	5 x 10 per g or per ml	Count
Ice-cream	5 x 10 ⁴ per g	100 per g	Absent 1 g
I for consumption, excluding meat and meat products in	10 ⁶ per g	5 x 10 per g	

hermetically sealed			
containers			
Fish and fish			
product ready for			
consumption,	10 ⁶ per g	5 x 10 per g	
excluding fish and			
fish product in			
hermetically sealed			
containers			
Infant formula	10 ⁴ per g	10 per g	
Liquid eggs, liquid			
egg yolk and liquid	5 x 10 ⁴ per ml	5 x 10 per ml	
egg white	·	·	
Dried liquid egg,			
dried liquid egg,	5 x 10 x per g	5 x 10 per g	
yolk and dried			
liquid egg white			

NOTE: In places where the Escherichia coli count is not specified, it shall comply with good manufacturing practice.

TABLE II

MYCOLOGICAL CONTAMINANT

Food	Mycological Contaminant	Maximum permitted proportion in microgram per kilogram (ug/kg)
Groundnuts for further processing	Aflatoxin	15
Milk	Aflatoxin	0.5
Others	Aflatoxin or any other mycotoxins	5
_		

FIFTEENTH A SCHEDULE

DRUG RESIDUE

Table 1

MAXIMUM PERMITTED PROPORTION OF DRUG RESIDUES IN FOOD

The food specified in column 2) of the Table below shall not contain the drug specified in column (1) thereof in proportions greater than the maximum permitted proportions specified opposite and in relation to that food in column (3) thereof .

Substance	(1)	(2)	(3)
	Drug – definition of	Food	Maximum Residue
	residues in which		Limits (MRLs) in
	MRL was set		food (ug/kg)
Albendazole	2-Aminosulfone	Muscle, fat (cattle	100
	metabolite	and other species),	

		milk (catte	
		Liver, kidney	5000
		(cattle and other	
		species	
Amoxicillin	Amoxicillin	Milk (cattle)	4
ATTOXICIIIIT	ATTOXICIIIT	Muscle, liver,	50
		kidney, fat (all food	
		producing species)	
Ampicillin	Ampicillin	Milk (cattle)	4
Ampiciiiii	Amplemin	Muscle, liver kid,	50
		fat (all food	30
		producing specieis)	
Amprolium	1-4 amino-2-n-	Muscle (chicken,	500
Ampronum	propy-5-	turkey, pheasant	300
	(pyrimidinylmethyl) -	and calf), liver	
	2-picolinium	(calf), liver	
	chloride	(call), kidney (call)	
	hydrocholoride		
	1.5	Liver (chicken,	1000
		turkey and	
		phesant), kidney	
		(chicken and	
		turkey)	
		Fat (calf)	2000
		Egg (chicken and	4000
		turkey)	
Avoparcin	Avoparcin	Milk (cattle)	10
•		Edible offal, muscle	100
		(mammalian and	
		poultry)	
Azaperone	Sum of azaperone	Muscle, fat (pig)	60
7.12ap 6. 6.16	and azaperol		
		Liver, kidney (pig)	60
Benzylpenicilin	Benzylpenicillin	Milk (cattle	4
 		Liver, kidney,	50
		muscle (cattle and	
		pig)	
Carazlol	Carazlol	Muscle, fat (pig)	5
		Liver (pig)	25
Carbadox	Carbadox	Muscle, fat (pig)	5
		Liver (pig)	30
Carpofen	Carprofen	Muscle (horse)	50
I		Fat (horse)	100
		Muscle, fat (cattle)	500
		Liver, kidney	1000
		(cattle and horse)	
Cefquinome	Cefquinome	Milk (cattle)	20
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Muscle, fat (cattle)	50
		Liver, cattle)	100
		Kidney, (cattle)	200
Ceftiofur sodium	Desfuroylcetiofur	Milk (cattle)	100
OCITIOIAI SUAIAIII	Designoyide florui	Muscle (pig and	200
		muscle (ply allu	200

	I	cattle)	
		cattle)	600
		Fat (pig and cattle)	600
		Liver (pig and cattle)	2000
		Kidney ((pig and	4000
		cattle)	4000
Clorsulon	Clorsulon	Muscle (cattle)	100
Ciorsalori	Ciorsalori	Liver (cattle)	200
		Kidney (cattle)	300
		Fat ((cattle)	400
Closantel	Closantel	Muscle, liver	1000
Olosantei	Closurici	(cattle)	1000
		Muscle, liver	1500
		(sheep)	1000
		Fat (sheep)	2000
		Kidney, fat (cattle)	3000
		Kidney, (sheep)	5000
Cloxacllin	Cloxcillin	Milk (cattle)	30
		Muscle, liver,	300
		kidney, fat (all food	
		producing species)	
Colistin	Colistin	Milk (cattle)	50
		Muscle, liver, fat	150
		(cattle, chicken,	
		pig, rabbit and	
		sheep	
		Kidney (cattle,	200
		chicken, pig, rabbit	
		and sheep	
		Egg (chicken)	300
Danofloxacin	Danofloxacin	Fat (cattle)	200
		Muscle (cattle and	300
		chicken)	
		Kidney (chicken)	500
		Fat (chicken)	600
		Liver (cattle)	900
		Liver, kidney (chicken)	1200
Decoquinate	Decoquinate	Muscle, liver,	500
		kidney, fat (cattle	
		and sheep	
Dexamethazone	Dexamethazone	Milk (cattle)	0.3
		Muscle, kidney	0.5
		(cattle, horse, pig)	
		Liver (cattle and	2.5
Distance '99'	Distance!!!	pig)	20
Dicloxacillin	Dicloxallin	Milk (cattle)	30
		Muscle, liver,	300
		kidney, fat (all food	
Dibydrostrontomysis	Dibydrostrontomysis	producing species)	200
Dihydrostreptomycin	Dihydrostreptomycin	Milk (cattle)	200
		Muscle, liver, fat	500

	1	(aattle ahieken	T
		(cattle, chicken,	
		pig and sheep)	1000
		Kidney (cattle,	1000
		chicken, pig and	
Dimentinia	Discotrido do	sheep)	
Dimetridazole	Dimetridazole	Edible offal, muscle	5
Dissipators	Diminonono	(chicken and pig	150
Diminazene	Diminazene	Milk (cattle)	150
		Muscle (cattle)	500
		Kidney (cattle)	6000
D	Danamasatin	Liver (cattle)	12000
Doramectin	Doramectin	Muscle (cattle)	10
		Kidney (cattle)	30
		Liver (cattle)	100
		Fat (cattle)	150
Doxycycline	Doxycycline	Muscle (cattle, pig	100
		and poultry)	
		Liver (cattle, pig	300
		and poultry), fat	
		(pig and poultry)	
		Kidney (cattle, pig	600
		and poultry)	
Enrofloxacin	Sum of enrofloxacin	Muscle, liver,	30
	and ciprofloxacin	kidney (cattle,	
		chicken and pig	
Erythromycin	Erythromycin	Milk (mammalian)	40
		Edible offal,	300
		muscle, egg	
		(mammalian and	
		poultry)	0.11101
Estradiol – 17B	Estradiol – 17 B	Food of bovine	GAHP*
Ed. L.		origin	F00
Ethopabate	Ethopabate	Muscle (chicken,)	500
		Liver, kidney	1500
Takan tal	C f f - h l l -	(chicken)	100
Febantel	Sum of febandazole,	Milk (cattle)	100
	oxfendazole and oxfendazole	muscle, kidney, fat	
	Oxferidazole	(cattle, pig and	
		sheep)	E00
		Liver (cattle, pig	500
Ferbendazole	Sum of	and sheep) Milk (cattle),	100
i ei dei luazule	ferbendazole,	, ,	100
	oxfendazole,	muscle, kidney, fat	
	oxfendazole and oxfendazole sufone	(Cattle,pig and sheep)	
	OXIGINAZOIE SUIOIIE	Liver (cattle, pig	500
		and sheep)	300
Florfenicol	Sum of florfenicol	Muscle (cattle)	200
LIGHTEHICOL	and its metabolites	wastie (cattie)	200
	measured as		
	florfenicol-amine		
	Horrericor-arrille	Kidney (cattle)	300
		Liver (cattle)	3000
		Liver (cattie)	1 0000

Flubendazole	Flubendazole	Muscle, Liver (pig)	10
		Fat (pig)	20
		Fat (cattle)	40
		Liver (cattle)	100
		Muscle (poultry)	200
		Egg (poultry)	400
		Liver (poultry)	500
Flumequine	Flumequine	Muscle , fat (cattle,	50
,	· ·	pig, poultry and sheep)	
		Liver (cattle, pig,	100
		poultry and sheep)	
		Kidney (cattle, pig,	300
		poultry and sheep)	
Flumethrin	Flumethrin	Edible offal, muscle	50
		and milk (cattle)	
Gentamicin	Gentamicin	Milk (cattle), muscle, fat (cattle	100
		and pig) Liver (cattle and	200
		pig)	200
		Kidney (cattle and	1000
		pig)	1000
Isometamidium	Isome tamidium	Muscle, fat, milk	15
10011101011111011	13311312111	(cattle)	
		Liver (cattle)	500
		Kidney (cattle)	1000
Ivermectin	22, 23,	Liver (pig and	15
	Dihydroavermectin B _{1 a}	sheep)	
		Fat (pig and sheep)	20
		Fat (cattle)	40
		Liver (cattle)	100
Levamisole	Levamisole	Muscle, kidney, fat	0
		(cattle, pig, poultry	
		and sheep)	
		Liver (poultry)	100
Lincomycin	Lincomycin	Edible tissue (pig)	100
Maduramicin	Maduramicin	Edible tissue, muscle, (chicken),	240
		Fat (chicken)	480
		Liver (chicken)	720
Moxidectin	Moxidectin	Muscle (deer), liver	20
		(cattle)	
		Liver (sheep),	50
		kidney (deer), fat	
		(cattle and sheep)	
		Liver (deer),	100
		kidney (cattle and	
		sheep)	
		Fat (deer), milk	500
		(cattle and sheep)	

Neonycin Neonycin (chicken, turkey, duck, cattle, goat, sheep and pig). Kidney (chicken, turkey, duck, cattle, goat, sheep and pig) Nicarbazin Nicarbazin Muscle, liver, kidney (chicken) Nystatin Nystatin Edible tissue (pig and poultry), egg (poultry) Oxacilin Oxacilin Milk (all food producing species) Oxfendazole Sum of fenbendazole, oxfendazole and ozfendazole sulfone Oxibendazole Oxibendazole Oxibendazole Oxytetracyline Oxytetracycline Oxytetracycline Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney, fatchen Sou	Neomycin	Neomycin	Muscle liver fot	500
duck, cattle, goat, sheep and pig), Kidney (chicken, turkey, duck, cattle, goat, sheep and pig) Nicarbazin Nicarbazin Nicarbazin Nystatin Nystatin Nystatin Oxacilin Oxacilin Oxacilin Oxacilin Oxacilin Oxacilin Oxidendazole Oxfendazole Oxfendazole Oxfendazole Oxibendazole Oxibendazole Oxibendazole Oxytetracycline Oxytetracycline Oxytetracycline Oxytetracycline Oxytetracycline Oxidendazole Oxytetracycline Oxytetracycline Oxidendazole Oxibendazole Oxytetracycline Ox	Neomycin	Neomycin	Muscle, liver, fat	300
Sheep and pig), Kidney (chicken, turkey, duck, cattle, goat, sheep and pig) Muscle, liver, kidney (chicken) Muscle, liver, kidney (chicken) Muscle, liver, kidney (chicken) Muscle, liver, kidney (chicken) Muscle, liver, kidney, fat (all food producing species) Muscle, liver, kidney, fat (all food producing species) Muscle, liver, kidney, fat (all food producing species) Muscle, kidney, fat (cattle, pig and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Muscle, liver, kidney, fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Milk (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle,				
Kidney (chicken, turkey, duck, cattle, goat, sheep and pig)				
turkey, duck, cattle, goat, sheep and pig) Nicarbazin Nicarbazin Nicarbazin Nystatin Nystatin Nystatin Oxacilin Milk (all food producing species) Muscle, liver, kidney, fat (all food producing species) Muscle, kidney, fat (all food producing species) Muscle, kidney, fat (cattle, pig and sheep), milk (cattle) Liver (cattle, pig and sheep) Oxibendazole Oxibendazole Oxibendazole Oxibendazole Oxytetracycline Oxytetracyc				1000
Nicarbazin Nicarbazin Nicarbazin Nicarbazin Nicarbazin Nystatin Nystaticalise, 4000 Nobletise, 4				1000
Nicarbazin Nicarbazin Muscle, liver, kidney (chicken) Nystatin Pystatin Edible tissue (pig and poultry), egg (poultry) Oxacilin Oxacilin Milk (all food producing species) Oxfendazole Sum of fenbendazole, oxfendazole and ozfendazole sulfone (cattle, pig and sheep) Oxibendazole Oxibendazole Oxibendazole Oxytetracycline Oxytetracycline Oxytetracycline Oxytetracycline Fat (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200				
Nicarbazin Nystatin Nuscle, liver, kidney, fat (cattle, pig and sheep) Nuscle, liver, kidney, fat (cattle, sheep, pig, chicken and turkey) Nilk (cattle) Nuscle, liver, kidney, fat (cattle, sheep, pig, chicken and turkey) Nilk (cattle, pig and sheep) Nuscle, liver, kidney, fat (cattle, pig and sheep) Nuscle, liver, kidney, fat (cattl			_	
Nystatin Nystatin Edible tissue (pig and poultry), egg (poultry)				
Nystatin Nystatin Edible tissue (pig and poultry), egg (poultry) egg (po	Nicarbazin	Nicarbazin	Muscle, liver,	4000
And poultry), egg (poultry) Oxacilin Oxacilin Milk (all food producing species) Muscle, liver, kidney, fat (all food producing species) Oxfendazole Sum of fenbendazole, oxfendazole and ozfendazole sulfone Oxibendazole Diver (cattle, pig and sheep) Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey)			kidney (chicken)	
Oxacilin Oxilik (all food producing species) Oxilik (all food producing species) Oxfendazole Oxfendazole Oxfendazole Oxfendazole and oxfendazole sulfone Oxibendazole Oxibenda	Nystatin	Nystatin	Edible tissue (pig	0
Oxacilin Oxilik (all food producing species) Oxilik (all food producing species) Oxfendazole Oxfendazole Oxfendazole Oxfendazole and oxfendazole sulfone Oxibendazole Oxibenda			and poultry), egg	
Oxacilin Oxacilin Milk (all food producing species) Muscle, liver, kidney, fat (all food producing species) Oxfendazole Oxfendazole Oxfendazole and ozfendazole sulfone Oxibendazole Milk (cattle, pig and sheep) Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracycline Oxytetracycline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, sheep, pig, chicken and turkey) Kidney (cattle, sheep, pig, chicken and turkey)				
Droducing species Muscle, liver, kidney, fat (all food producing species)	Oxacilin	Oxacilin		30
Muscle, liver, kidney, fat (all food producing species) Oxfendazole Sum of fenbendazole, oxfendazole and ozfendazole sulfone Oxibendazole Milk (cattle, pig and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracycline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, 600			1	
Sum of fenbendazole, oxfendazole and ozfendazole Sum of fenbendazole, oxfendazole and ozfendazole sulfone Cattle, pig and sheep), milk (cattle) Sum of fenbendazole sulfone Cityer (cattle, pig and sheep) Sum ozfendazole sulfone Cityer (cattle, pig and sheep) Sum ozfendazole Cityer (cattle, pig and sheep) Sum ozfendazole Milk (cattle and sheep) Sum ozfendazole Milk (cattle and sheep) Sum ozfendazole Sum ozfendazo			· · · · · · · · · · · · · · · · · · ·	300
Oxfendazole Sum of fenbendazole, oxfendazole and ozfendazole sulfone Oxibendazole Milk (cattle, pig and sheep) Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracycline Oxytetracycline Oxytetracycline Oxytetracycline Divertion of the pig and sheep and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, 600				
Oxfendazole Sum of fenbendazole, oxfendazole and ozfendazole sulfone Oxibendazole Milk (cattle, pig and sheep) Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, 600				
fenbendazole, oxfendazole and sheep), milk (cattle) Liver (cattle, pig and sheep) Oxibendazole Oxibendazole Oxibendazole Oxibendazole Oxibendazole Oxibendazole Oxibendazole Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, sheep, pig, chicken and turkey Kidney (cattle, sheep, pig, chicken and turkey Kidney (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600	Oxfendazole	Sum of		100
oxfendazole and ozfendazole sulfone Cattle Liver (cattle, pig and sheep)	Oxiciladzoic			100
ozfendazole sulfone Liver (cattle, pig and sheep) Oxibendazole Oxibendazole Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, 600				
Liver (cattle, pig and sheep) Oxibendazole Oxibendazole Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracycline Oxytetracycline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600			• •	
OxibendazoleAmilk (cattle and sheep)50Muscle, liver, kidney, fat (cattle, horse, pig and sheep)100OxytetracyclineFat (cattle, sheep, pig, chicken and turkey)10Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey)100Egg (chicken)200Liver (cattle, sheep, pig, chicken and turkey)200Liver (cattle, sheep, pig, chicken and turkey)300Kidney (cattle, sheep, pig, chicken and turkey)600		oziendazoie suitorie		500
Oxibendazole Oxibendazole Milk (cattle and sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600				500
sheep) Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracyline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, 600	0 11 1			
Muscle, liver, kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600	Oxibendazole	Oxibendazole	1	50
kidney, fat (cattle, horse, pig and sheep) Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, 600				
horse, pig and sheep) Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey) Kidney (cattle, 600				100
Sheep) Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, 300 sheep, pig, chicken and turkey Kidney (cattle, 600				
Oxytetracycline Oxytetracyline Fat (cattle, sheep, pig, chicken and turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600				
pig, chicken and turkey) Milk (cattle), 100 muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, 300 sheep, pig, chicken and turkey Kidney (cattle, 600			sheep)	
turkey) Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600	Oxytetracycline	Oxytetracyline	Fat (cattle, sheep,	10
Milk (cattle), muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) Liver (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600			pig, chicken and	
muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, 300 sheep, pig, chicken and turkey Kidney (cattle, 600			turkey)	
muscle (cattle, sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, 300 sheep, pig, chicken and turkey Kidney (cattle, 600			Milk (cattle),	100
sheep, pig, chicken and turkey) Egg (chicken) 200 Liver (cattle, 300 sheep, pig, chicken and turkey Kidney (cattle, 600			muscle (cattle,	
and turkey) Egg (chicken) 200 Liver (cattle, 300 sheep, pig, chicken and turkey Kidney (cattle, 600				
Egg (chicken) 200 Liver (cattle, 300 sheep, pig, chicken and turkey Kidney (cattle, 600				
Liver (cattle, sheep, pig, chicken and turkey Kidney (cattle, 600				200
sheep, pig, chicken and turkey Kidney (cattle, 600				
and turkey Kidney (cattle, 600				
Kidney (cattle, 600				
				600
				000
and turkey Denicillin	DominiUi	Dominillin	-	
Penicillin Edible tissue 0	Penicillin	Penicillin		U
(chicken, quail, pig				
and sheep), egg				
(chicken and				
quail), milk (cattle)				
Edible tissue 10				10
(turkey)				
Edible tissue 50			Edible tissue	50
(cattle)			(cattle)	

Phoxim	Phoxim	Edible offal, muscle	10
		(pig)	
		Fat (pig)	50
Progesterone	Progesterone	Food of bovine	GAHP*
		origin	
Robenidine	Robenidine	Edible tissue	100
hydrochloride	hydrochloride	(poultry)	
		Fat (poultry)	200
Salinomycin	Salinomycin	Egg (poultry)	20
		Muscle (cattle)	50
		Edible offal (pig),	100
		muscle (pig and	
		poultry)	
		Edible offal (cattle	500
		and poultry)	
Sarafloxacin	Sarafloxacin	Fat (chicken)	10
		Liver (chicken)	100
Spectinomycin	Spectinomycin	Milk (cattle)	200
		Muscle (cattle,	300
		chicken and pig	
		Fat (cattle, chicken	500
		and pig)	
		Liver (cattle,	2000
		chicken and pig)	
		Kidney (cattle,	5000
		chicken and pig	
Spiramycin	Expressed as	Muscle (pig)	200
	syramycin		
	equivalents		
	antimicrobially		
	active residues		
		Kidney, fat (pig)	300
		Liver (pig)	600
	Sum of spiramycin	Muscle (cattle and	200
	and neospiramycin	chicken), milk	
		(cattle)	
		Kidney (cattle), fat	300
		(cattle and	
		chicken)	700
		Liver (cattle and	600
		chicken)	900
Ctroptom (cir	Ctrontomyola	Kidney (chicken)	800
Streptomycin	Streptomycin	Milk (cattle)	200
		Muscle, liver, fat	500
		(cattle, chicken,	
		pig and sheep) Kidney (cattle,	1000
			1000
		chicken, pig and sheep)	
Sulphadiazina	Suphadiazino	Edible offal	100
Sulphadiazine	Suphadiazine	(mammalian),	100
		muscle	
		(mammalian), milk	
		(mariimalian), milk	

		(cattle)	
Sulphadimethoxine	Sulphadimethoxine	Milk (cattle)	10
Sulphadimethoxine	Supriadimetrioxine	Edible offal, muscle	100
		(cattle and	100
		chicken)	
Sulphadimidine	Sulphadimidine	Milk (cattle)	25
Salphaanmanic	Salphaanmanie	Edible offal	100
		(chicken and	100
		mammalian),	
		muscle(chicken	
		and mammalian),	
		liver, kidney, fat	
		(cattle)	
Sulphamethazine	Sulphametazine	Edible tissue	100
odipridi i i ci i dzirie	Salphametazine	(cattle, turkey,	100
		chicken and pig)	
Sulphaquinoxaline	Sulphaquinoxaline	Edible offal, muscle	100
Salpriaquirioxamie	Salphaqainoxaiine	(poultry)	100
Sulphonamide	Sulphonamide	Muscle, liver,	100
ou.pr.onamuo		kidney, fat (all food	
		producing species),	
		milk (cattle)	
Testoterone	Testroterone	Food of bovine	GAHP*
		origin	
Tetracycline	Sum of parent drug	Muscle (cattle,	100
_	and its 4-epimer	poultry, pig and	
	·	sheep), milk	
		(cattle)	
		Egg (poultry)	200
		Liver (cattle,	300
		poultry, pig and	
		sheep	
		Kidney (cattle,	600
		poultry, pig and	
		sheep)	
Thiabendazole	Sum of	Muscle, liver,	100
	thiabendazole and	kidney and fat	
	5-hydroxy-	(cattle, pig, goat	
	thiabendazole	and sheep), milk	
		(cattle and goat)	
Tiamulin	8-alpha-	Muscle (pig)	3600
	hydrozymutilin		
		Liver (pig)	10800
	<u> </u>	Kidney, fat (pig)	14400
Tilmicosin	Tilmicosin	Milk (sheep)	50
		Muscle, fat (cattle,	100
		poultry, pig and	
		sheep	
		Kidney (cattle and	300
		sheep)	1000
		Liver (cattle and	1000
		sheep), Kidney	
		(pig)	

		Liver (pig)	1500
Trenbolone acetate	B-Trenbolone	Muscle (cattle)	2
		Liver (cattle)	10
Triclabendazole	5-chloro-6-(2',3-dicholor-phenozy-benzimidazole-2-one)	Fat (cattle and sheep)	100
Trimethoprim	Trimethoprim	Edible offal, muscle (mammalian and chicken), egg (chicken), milk (cattle)	50
Tysolin	Tysolin	Milk (cattle)	50
		Muscle, liver, kidney (chicken and cattle), edible tissue (cattle), fat (chicken), egg (chicken)	200
Virginiamycin	Virginiamycin	Muscle, liver, kidney, fat (cattle)	0
		Muscle (pig and poultry)	100
		Fat (poultry)	200
		Liver (pig and poultry)	300
		Kidney, fat (pig)	400
		Kidney (poultry)	500
Zeranol	Zeranol	Muscle (cattle)	2
		Liver (cattle)	10

^{*} Good animal husbandry practice

Note: These MRLs will be reviewed every year.

TABLE II

PROHIBITED DRUGS

The following drugs are prohibited in food:

Beta agonists excluding Ractopamine

Nitrofurans

Chloramphenicol

SIXTEENTH SCHEDULE - PESTICIDE RESIDUE

The food specified in column (2) of the table below shall not contain the pesticide specified in relation thereto in column (1) in proportion greater than the maximum permitted proportion specified in column (3) thereof in relation to the food.

Note

"Not prescribed" means the Maximum Residue Limits are not required.

Pesticide	Food	Maximum Residue Limits (MRLs) in food (mg/kg)
2,4-D	Rice (milled or polished)	0.05
	Coconut/coconut oil	0.05
	Palm oil Banana	0.05 0.1
	Sugar cane	3
Abamectin	Kale	0.05
Abarrectin	Cabbage	0.05
	Chinese cabbage	0.05
	Mustards	0.05
Acephate	Rice (milled or polished)	0.2
- P	Cocoa beans	0.2
	Citrus fruits	1
	Cauliflower	2
	Celery	5
	Kale	5
	Coconut/coconut oil	0.5
	Cabbage	2
	Mango	1
	Palm oil	0.5
	Lettuce	5
	Mustards	5
	Tomato	1
A = 4 = 10 = 10 = 11 = 1	Potato	0.5
Acetamiprid	Okra	2
	Long beans	2
	Cabbage Brinjal	2
	Cucumber	2
Alachlor	Maize	0.1
Addition	Soya bean	0.2
	Groundnuts	0.05
Ametryn	Cocoa beans	0.2
,	Coffee beans	0.2
	Citrus fruits	0.1
	Coconut/coconut oil	0.2
	Palm oil	0.2
	Pineapple	0.2
	Banana	0.2
	Sugarcane	0.1
	Tea	0.2
Amitraz	Papaya	0.5
	Citrus fruits	0.5

	Chilli	0.2
	Meat (sheep)	0.1
	Meat (cattle,pig)	0.05
	Durian	0.5
	Edible offal (cattle, sheep,	0.2
	pig)	0.2
	French beans	1
	Mango	0.5
	Legume vegetables	1
	Brinjal	0.5
Anilofos	Rice (milled or polished)	0.1
Atrazine	Maize	0.2
Allazine	Pineapple	0.2
		0.2
Azadirachtin	Sugarcane	
Azadirachtin	Chilli	Not prescribed
Azoxytrobin	Chilli	1
	Cucumber	0.5
	Tomato	1
Bacillus thruingiensis		Not prescribed
Bendiocarb	Chilli	0.2
	Kale	0.2
	Cabbage	0.2
	Chinese cabbage	0.2
	Mustard	0.2
	Legume vegetables	0.2
	Watermelon	0.2
	Brinjal	0.2
	Cucumber	0.2
Benomyl (expressed as	See carbendazim	0.2
carbendazim)	See carberiaaziiii	
Bensulfuron-methyl	Rice (milled or polished)	0.02
Bentazone	Rice (milled or polished)	0.02
beritazorie	Maize	0.1
	Soya bean	0.05
5	Grounduts	0.05
Bispyribac sodium	Rice (milled or polished)	0.05
Bitertanol	Banana	0.5
Bordeaux mixture		Not prescribed
BPMC	Rice (milled or polished)	0.2
Bromacil	Pineapple	0.1
Bromopropylate	Chill	1
	Brinjal	1
Buprofezin	Rice (milled or polished)	0.2
Butocarboxim	Cocoa beans	0.5
	Chilli	2
	Long beans	2
	Palm oil	2
	Tomato	2
Cadusafos	Banana	0.01
	Sugarcane	0.01
Captan	Coffee beans	10
Captair	Groundnuts	10
	Palm oil	10
	Banana	15
	Dariaria	ıJ

Page 70 of 96

	Strawberries	20
	Tea	10
	Tomato	15
Carbaryl	Okra	10
3	Rice (milled or polished)	1
	Poultry meat	0.5
	Soya bean	1
	Cabbage	5
	Chinese cabbage	5
	Pumpkins	3
	Pepper (black/white)	5
	Mango	5
	Mustards	10
	Brassica vegetables	5
	Legume vegetables	5
	Brinjal	5
	Cucumber	3
Carbendazim	Onion (bulb)	2
Carberidaziiii	Rice (milled or polished)	0.5
		3
	Papaya Coffee beans	0.1
	Citrus fruits	10
	Chilli	5
	Guava	3
	Sweet pea	2
	Groundnuts	0.1
	Kale	5
	Cabbage	2
	Chinese cabbage	5
	Pepper (black/white)	0.1
	Mango	3
	Banana	1
	Celery	2
	Lettuce	5
	Mustards	5
	Legume vegetables	2
	Watermelon	2
	Cucumber	0.5
	Tomato	5
Carbofuran (sum of	Rice (milled or polished)	2
carbofuran and 3-	Rice (Tillled of polistied)	2
hydroxycarbofuran expressed		
as carbofuran	Maina	0.1
	Maize	0.1
	Pepper (black/white)	0.1
	Mango	0.1
	Banana	0.1
	Sugar cane	0.1
0 1 15	Brinjal	0.1
Carbosulfan	Rice (milled or polished)	0.2
	Chilli	0.5
	Long beans	0.5
	Waterme Ion	0.5

Cartap (expressed as free base)	Brinjal Cucumber Rice (milled or polished)	0.5 0.5 0.1
bases	Cabbage Chinese cabbage Lettuce Mustards	0.2 2 2 2
Chinomethionat	Chilli Brinjal	0.5 0.5
Chiorfenapyr	Cabbage Chinese cabbage	1
Chiorfluazuron	Brinjal Cucumber Okra Chilli Long beans Kale	1 1 0.3 0.3 0.3 0.3
Chlorimuron ethyl Chlorothalonil	Radish Lettuce Mustards Brinjals Rice (milled or polished) Onion (bulb) Cocoa beans Coffee beans Chilli	0.3 0.3 0.3 0.02 0.5 0.05 0.2 5
Chlorpyrifos	Spring onion leaves Ginger Groundnuts Cabbage Pepper (black/white) Mango Banana Celery Lettuce Legume vegetables Watermelon Cucumber Tomato Potato Starfruit Okra Rice (milled or polished) Cocoa beans Citrus fruits Cauliflower Chilli Ginger Maize Guava Coconut/coconut oil Cabbage Pepper (black/white)	10 0.5 0.05 1 0.2 3 0.2 10 10 5 5 5 0.2 1 0.05 1 0.05 0.5 0.5 0.5 0.5 0.5 0.5

Cinosulfuron Clethodim Copper hydroxide Copper oxychloride Copper sulphate	Palm oil Mustards Leafy vegetables Legume vegetables Tomato Potato Rice (milled or unpolished) Cocoa beans Palm oil Onion (bulb) Tomato	0.5 1 1 0.2 0.5 0.05 0.1 0.1 0.1 0.2 01. Not prescribed Not prescribed
Coumaphos (sum of coumaphos and its oxygen analogue	Meat (fat)	0.5
Cupric hydroxide Cuprous oxide Cyclosulfamuron Cycloxydim	Milk (fat) Rice (milled or polished) Onion (bulb) Citrus fruits	0.02 Not prescribed Not prescribed 0.1 0.5
Cyfluthrin	Tomato Cocoa beans Citrus fruits Chilli Ginger	0.5 0.1 0.5 0.5 0.01
Cyhalothrin	Legume vegetables Brinjal Okra Rice (milled or polished) Cocoa beans Chilli Durian	0.5 0.5 0.2 1 0.1 0.5 0.1
Cymoxanil	Sweet pea Long beans Cabbage Pepper (black/white) Palm oil Brinjal Onion (bulb) Cabbage Squash Melons Cucumber Tomato Yam Potato	0.1 0.5 0.5 0.2 0.5 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
Cypermethrin (sum of isomers)	Starfruit Okra	0.5
	Papaya Cocoa beans	0.5 2 0.05

	Citrus fruits Chilli Meat (fat) Maize Guava	2 0.5 0.2 0.05 2
	Green gram Long beans	0.05 0.5
	Kale	1
	Cabbage Cauliflower	1 1
	Mango	2
	Palm oil	0.5
	Lettuce	2
	Mustards	2
	Leafy vegetables	2
	Brassica vegetables	1 0.5
	Legume vegetables Brinjal	0.3
	Milks (fat)	0.05
	Tomato	0.5
Cyproconazole	Cocoa beans	0.1
	Coffee beans	0.1
	Palm oil Legume vegetables	0.1
Cyromazine	Sweet pea	2
Deltamethrin (sum of isomers)	Okra	0.2
	Rice (milled or polished)	1
	Papaya Cocoa beans	0.05 0.05
	Citrus fruits	0.05
	Cauliflower	0.03
	Chilli	0.2
	Guava	0.05
	French beans	0.1
	Long beans	0.1
	Cabbage Mango	0.2 0.05
	Palm oil	0.03
	Rambutan	0.05
	Legume vegetables	0.1
	Tea	10
	Brinjal	0.2
	Cucumber Tomato	0.2
Diafenthiuron	Cauliflower	0.2
2.0.0	Chilli	0.2
	Kale	0.2
	Cabbage	0.2
	Chinese cabbage	0.2
	Mustards Legume vegetables	0.2
	Brinjals Cucumber	0.2

Diazinon	Starfruit Okra Rice (milled or polished) Citrus fruits Cauliflower Chilli Guava Rose apple Long beans Kale Cabbage Chinese cabbage Mango Celery Mustards Legume vegetables Brinjal Cucumber Tomato	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
Dicamba Dichlorvos Dicofol	Palm oil Mango Citrus fruits Chilli French beans Long beans Mango Tea Watermelon Cucumber Tomato	0.5 0.1 0.1 5 1 2 2 1 5 0.2 0.5 1
Difenozonazole	Rice (milled or polished) Cocoa beans Chilli French beans Long beans Mango Palm oil Banana Mustards Watermelon Cucumber	0.1 0.1 1 1 1 0.1 0.5 1 0.1 1
Diflubenzuron Dimethoate	Tomato Cabbage Onion (bulb) Rice (milled or polished) Cocoa beans Coffee beans Citrus fruits Cauliflower Chilli French beans Long beans Ground nuts	0.2 0.1 0.1 0.1 2 2 2 1 1 0.05

	Kale Carrot Cabbage Pumpkins Radish Mango Pineapple Banana Lettuce Brassica vegetables Leafy vegetables Legume vegetables Tea Watermelon Brinjal Cucumber Tomato	0.5 1 2 2 1 1 1 1 2 2 2 1 0.2 1 2
Dimethomorph	Muskmelon	0.5
•	Cucumber	0.2
	Tomato	0.5
Dithiocarbamates (expressed as CS2)	Onion (bulb)	0.5
Mancozeb	Amaranth	10
Maneb	Starfruit	5
Propineb	Rice (milled or polished)	0.5
Thiram	Papaya	5
Zineb	Cocoa beans	5
Ziram	Citrus fruits	10
	Cauliflower Chilli	5 3
	Spring onion leaves Durian	10 1
	Guava	5
	Sweet pea	2
	Long beans	2
	Groundnuts	0.1
	Cabbage	5
	Pumpkins	0.2
	Pepper (black/white)	3
	Leek	0.5
	Mango	2
	Melons	0.5
	Palm oil	1
	Banana	2
	Celery	5
	Lettuce	10
	Mustards	10
	Leafy vegetables	10
	Legume vegetables	2
	Tea	5
	Watermelon	1
	Cucumber	2
	Tomato	5
	Potato	02

Diuron	Papaya Coffee beans	0.5 0.1
	Citrus fruits	0.1
	Palm oil	0.1
	Pineapple	0.5
	Banana	0.5
	Sugar cane	0.1
	tea	1
DSMA	Palm oil	0.1
Emamectin benzoate	Cabbage	0.05
	Chinese cabbage	0.05
	Kale	0.05
	Mustards	0.05
Endosulfan	Cocoa beans	0.1
	Citrus fruits	2
	Maize	0.1
	Cabbage	2
	Pepper (black/white)	0.5
	Mango	2
	Tea	30
	Brinjal	2
FDTO	Cucumber	2
EPTC Ethomaculfuran	Rice (milled or polished)	0.1
Ethoxysulfuron Etofenprox	Rice (milled or polished) Rice (milled or polished)	0.01 0.5
Famoxadone	Watermelon	0.5
ramoxadone	Cucumber	0.3
	Tomato	0.2
Fenamiphos	Guava	0.2
renarmpnes	Banana	0.1
Fenitrothion	Cereal grains	10
	Rice (milled or polished)	1
Fenoxaprop-p-ethyl	Rice (milled or polished)	0.05
Fenoxycarb	Kale	0.5
-	Cabbage	0.2
	Chinese cabbage	0.2
	Mustards	0.5
Fenpyroximate	Citrus fruits	0.5
	Chilli	0.5
Fenthion	Starfruit	2
	Rice (milled or polished)	0.05
	Citrus fruits	2
	Guava	2
	Mango Cucumber	2 0.5
Fenyalerate	Amaranth	2
renvalerate	Okra	∠ 1
	Cocoa beans	0.05
	Citrus fruits	2
	Cauliflower	2
	Chilli	1
	Kale	10
	Cabbage	3
	Chinese cabbage	1
	-	

Fipronil	Lettuce Mustards Brinjal Cucumber Tomato Rice (milled or polished) Chilli	2 2 1 0.2 1 0.01 0.05
Fluazifop-butyl	Cabbage Mustards Watermelon Brinjal Papaya Cocoa beans	0.05 0.05 0.01 0.05 0.1
	Durian Guava Mango Palm oil Banana Rambutan	0.1 0.1 0.1 0.2 0.1 0.1
Flufenacet	Maize	0.1
Flufenozuron	Cabbage	0.1
Fluroxypyr	Cocoa beans	0.1
	Palm oil	0.1
Flutolanil	Rice (milled or polished)	1
	Durian	0.1
	Mustards	1
Formetanate hydrochloride	Chilli	2
	French beans	2
	Long beans	2
	Watermelon	1
	Brinjal	2
	Cucumber	1
Formothion	Okra	0.1
	Cabbage	0.1
	Root and tuber vegetables	2
	Brinjal	0.1
	Cucumber	0.1
Facetyl alympinium	Tomato	0.1 5
Fosetyl aluminium	Citrus fruits Cocoa beans	ວ 1
		1
Furathiocarb	Durian Disa (milled or polished)	0.1
Furatificarb	Rice (milled or polished) Citrus fruits	3
	Chilli	2
	Maize	0.05
	Watermelon	0.2
	Brinjal	0.1
Glufosinate ammonium	Onion (bulb)	0.05
	Starfruit	0.1
	Rice (milled or polished)	0.1
	Papaya	0.1
	Cocoa beans	0.5
	Coffee beans	0.1
	Citrus fruits	0.1

	Durian Cashew nuts Guava Coconut/coconut oil Cabbage Chinese cabbage Mango Palm oil Jackfruit Banana Lettuce Leafy vegetables Legume vegables Tea Watermelon	0.1 0.1 0.5 0.1 0.1 0.1 0.5 0.1 0.2 0.1 0.1 0.5 0.1
Glyphosate	Brinjal Tomato Starfruit Papaya Cocoa beans	0.1 0.1 0.1 0.2 0.5
	Coffee beans Citrus fruits Durian Guava Coconut/coconut oil Mango Palm oil Banana	0.2 0.2 0.1 0.1 0.1 0.1 0.1 02.
Hexaconazole	Tea Rice (milled or polished) Coffee beans Long beans Mustards Cucumber	0.2 0.05 0.05 0.2 0.5 0.1
Hexazinone Hydrogen phosphide	Sugarcane Rice (milled or polished) Cocoa beans	0.1 0.1 0.01
Imazaphyr	Palm oil	0.01
Imazethapyr Imidachlorprid	Palm oil Rice (milled or polished) Citrus fruits Chilli Long beans Capsicum Mango Watermelon Brinjal	0.05 0.1 0.5 0.1 0.5 0.1 0.5 0.1
Inorganic bromide	Cereal grains Pulses Nuts	50 500 100
Iprodione	Rice (milled or polished) Citrus fruits Chilli Cabbage	10 10 5 5

Iprovalicarb Isazofos	Chinese cabbage Rockmelon Water,e;pm Brinjal Cucumber Tomato Tomato Rice (milled or polished) Cocoa beans Coffee beans	5 2 2 10 2 5 1 0.2 0.1
Isoprothiolane Lufenuron	Rice (milled or polished) Chilli Maize Long beans Brinjals	2 0.5 0.05 0.2 0.2
Malathion	Starfruit Okra Rice (milled or polished) Papaya Citrus fruits Chilli Meat (cow, goat, pig) Poultry meat Guava Cabbage Pineapple Lettuce Mustards Legume vegetables Brinjals Cucumber Tomato	2 8 0.5 1 4 0.5 1 1 2 8 8 8 8 2 0.5 3 3
MCPA Mepronil	Rice (milled or polished) Rice (milled or polished) Legume vegetables	0.1 1 1
Mercaptodimethur (methiocarb)	Rice (milled or polished)	0.05
Metalaxyl	Long beans Mustards Cucumber Cocoa beans Citrus fruits Durian Maize Cucumber Tomato	0.1 0.1 0.2 5 0.2 0.05 0.5 0.5
Metaldehyde	Rice (milled or polished) Lettuce Strawberries	1 1 1
Methamidophos	Coconut/coconut oil Palm oil	0.1 0.1
Methidathion	Cocoa beans Maize Palm oil	0.1 0.1 0.1

Metolachior	Sugar cane Tea Amaranth Chilli Maize French beans Sweet peas Long beans Soya bean Groundnut Bitter gourd Angled loofah Lettuce Legume vegetables Sugarcane	0.1 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
	Watermelon cucumber	0.1 0.1
Metribuzin	Soyabean	0.05
Metsulfuron methyl	Rice (milled or polished) Palm oil	0.02 0.02
Molinate	Rice (milled or polished)	0.1
Monocrotophos	Coconut/coconut oil	0.05
MSMA	Palm oil Cocoa beans Palm oil Sugar cane	0.05 1 0.1 0.1
	Tea	1
MTMC (metolcarb) Myclobutanil	Rice (milled or polished) French beans Long beans cucumber	0.5 0.5 0.5 0.5
Napropamide	Chilli Sugarcane Brinjal Tomato	0.1 0.1 0.1 0.1
Ofurace	Leafy vegetable Tomato	1 0.5
Oxadiargyl	Rice (milled or polished)	0.05
Oxadiazon Oxadixyl	Rice (milled or polished) Cocoa beans Watermelon Cucumber Tomato Potato	0.05 1 0.5 0.5 0.5 0.2
Oxycarboxin	French beans Green gram Long beans	5 5 5
Oxyfluorfen	Soya bean Groundnuts	0.05 0.05
Paraquat	Rice (milled or polished) Cocoa beans Coffee beans Coconut/coconut oil Pepper (black/white)	0.5 0.1 0.05 0.1 0.05

Pencycuron Pendimethalin	Palm oil Banana Root and tuber vegetables tapioca Rice (milled or polished) Mustards Cabbage	0.1 0.05 0.05 0.05 0.5 1
Permethrin	Mustards Tomato Okra Cauliflower Cabbage	0.1 0.1 1 0.5 5
Phentoate	Brinjal Tomato Onion (bulb) Okra Rice (milled or polished) Cauliflower Cabbage	1 1 0.1 0.1 0.05 0.1
Phoxim	Lettuce Legume vegetables Brinjal Cucumber Tomato Meat (cow, buffalo, sheep,	0.1 0.1 0.1 0.1 0.1 0.01
	goat, pig, rabbit) Poultry meat Fat (cow, buffalo, sheep, goat, pig, rabbit) Poultry fat	0.01 0.05 0.05
Picloram Primiphos-methyl	sugarcane Rice (milled or polished) Maize Groundnuts	0.03 0.01 1 5
Pretilachlor Prochloraz	Rice (milled or polished) Papaya Citrus fruits Chilli Guava Pepper (black, white) Mango Banana	0.05 1 5 5 2 8 2 5
Profenofos	Cauliflower Chilli Maize French beans Long beans Kale Cabbage Bitter gourd Angled loofah Mustards Legume vegetables Brinjal	0.5 5 0.05 0.5 0.5 2 1 2 2 2 0.5 2

	cucumber	0.1
Propamocarb	Cabbage	0.1
·	Chinese cabbage	0.1
	Mustards	10
	Watermelon	2
	Honeydew	2
	Cucumber	2
	tomato	1
Propanil	Rice (milled or polished)	0.1
Propargite	Citrus fruits	5
1 3	Brinjal	2
	Cucumber	0.5
	tomato	1
Propiconazole	Rice (milled or polished)	0.05
- P	Cocoa beans	0.1
	Ground nuts	0.05
	Banana	0.1
	sugarcane	0.05
propoxur	Rice (milled or polished)	0.1
I Transfer	Cocoa beans	0.05
prothiofos	Cauliflower	0.2
	Chilli	0.2
	Cabbage	0.2
	Chinese cabbage	0.2
Pymetrozine	Rice (milled or polished)	0.05
Pyzrazosulfuron-ethyl	Rice (milled or polished)	0.1
Pyrethrum	rues (rimes er peneries)	Not prescribed
Pyridaben	Citrus fruits	1
Quinalphos	Okra	0.1
2 4a.pee	Rice (milled or polished)	0.1
	Cocoa beans	0.1
	Cauliflower	0.1
	Chilli	0.1
	Maize	0.1
	Cabbage	0.1
	Sugarcane	0.1
	Brinjal	0.1
	Tomato	0.1
Quinchlorac	Rice (milled or polished)	0.5
Quintozene	Cabbage	0.02
Quizalofop-ethyl	Okra	0.1
	Rice (milled or polished)	0.1
	Cocoa beans	0.1
	Chilli	0.1
		0.1
	Long beans	0.1 0.1
	Long beans Chinese cabbage	
	Long beans	0.1
Sethoxydim	Long beans Chinese cabbage Cucumber	0.1 0.1
Sethoxydim	Long beans Chinese cabbage Cucumber tomato	0.1 0.1 0.1
Sethoxydim	Long beans Chinese cabbage Cucumber tomato Okra	0.1 0.1 0.1 0.1
Sethoxydim	Long beans Chinese cabbage Cucumber tomato Okra Chilli	0.1 0.1 0.1 0.1 0.1
Sethoxydim	Long beans Chinese cabbage Cucumber tomato Okra Chilli Cabbage	0.1 0.1 0.1 0.1 0.1 0.2
Sethoxydim Silafluofen	Long beans Chinese cabbage Cucumber tomato Okra Chilli Cabbage Palm oil	0.1 0.1 0.1 0.1 0.1 0.2 0.05

Spinosad	Kale	2
	Cabbage	0.5
	Mustards	2
Sulphur		Not prescribed
Tebuconazole	Banana	0.05
Tebufenozide	Okra	0.5
	Rice (milled or polished)	0.1
	Chilli	0.5
	Long beans	0.5
	Brinjals	0.5
	tomato	0.5
Teflubenzuron	Cabbage	0.2
	Chinese cabbage	0.2
	Mustards	1
Terbuthylazine	Cocoa beans	0.5
Tetradifon	Papaya	5
	Citrus fruits	2
	Guava	5
	Mango	5
	Strawberries	2
	Watermelon	1
Thiamethoxam	Okra	0.2
	Rice (milled or polished)	0.1
	Brinjal	0.2
Thiobencarb	Rice (milled or polished)	0.1
Thiocyclam-hydrogen oxalate	Cabbage	0.3
	Brinjal	0.5
	tomato	0.5
Thiometon	Citrus fruits	0.5
	Chilli	0.5
	French beans	0.5
	Long beans	0.5
	Watermelon	0.5
	Cucumber	0.5
	brinjal	0.5
Thiophanate-methyl	lettuce	2
Tralomethrin	Chilli	0.5
	Cabbage	0.2
	Brinjal	0.5
	tomato	0.5
Triadimenol	Cocoa beans	0.2
	Coconut/coconut oil	0.2
Triazophos	Citrus fruits	2
	Mango	2
Tribasic copper sulphate		Not prescribed
Trichlorfon	Rice (milled or polished)	0.1
	Citrus fruits	0.1
	Maize	0.1
	French beans	0.1
	Long beans	0.1
	Kale	0.2
	Mustards	0.1
	Watermelon	0.2
Triclopyr	Palm oil	0.1

Tridemorph	Sweet pea	0.1
	Pumpkins	0.1
	Mango	0.1
	Banana	0.1
	Legume vegetables	0.1
	Tea	15
	Watermelon	0.1
	cucumber	0.1
Triflumuron	Cabbage	1
Vinclozolin	Strawberries	10
	Tomato	3
White oil		Not prescribed

SIXTEENTH B SCHEDULE

SUBSTANCES WHICH MAY BE USED IN BASES OF ARTIFICIAL SWEETENING SUBSTANCE

Acacia (gum Arabic)

Agar

Algininc acid and its sodium, potassium and ammonium salts, calcium alginate and propylene glycol alginate

Carrageenan

Citric acid

Dextrin

Dextrose

Ethyl alcohol

Glucono-delta-lactone

Glycerol

Guar gum

Karaya gum

Hydroxypropylmethylcellulose

Lactose

L-leucine

Locust bean gum

Mannitol

Methylcellulose

Mono-, di- and polysaccharides

Pectin

Potassium acid tartrate

Propylene glycol

Sodium bicarbonate

Sodium carboxymethylcellulose

Sodium citrate

Sodium phosphate

Sorbitol

Tartaric acid

Tragacanth gum

Water

Xanthan gum

SEVENTEENTH SCHEDULE

TABLE 1 PERMITTED NON-NUTRITIVE SWEETENING SUBSTANCES

- a. Saccharin (2-Sulphobenzoic Imide)
- b. Sodium saccharin (sodium salt of 2-Sulphbenzoic Imide)
- c. Acesulfame potassium

STANDARDS FOR SACCHARIN, SODIUM SACCHARIN AND ACESULFAME POTASSIUM

- a. Saccharin (2-Sulphobenzoic Imide) saccharin shall contain not less than 99 per cent saccharin on a water–free basis.
- Sodium saccharin (sodium salt of 2-Sulphbenzoic Imide)
 Odium saccharin shall contain not less than 99 per cent and not more than 101 per cent of anhydrous sodium saccharin on a water-free basis.
- Acesulfame potassium
 Acesulfame potassium shall contain not less than 99 per cent and not more than 101 per cent of acesulfame potassium on a water-free basis.

TABLE II MAXIMUM PERMITTED PROPORTION OF ACESULFAME POTASSIUM IN SPECIFIED FOOD

Food	Maximum permitted proportion
Low energy soft drink	600 mg/liter
Other low energy food	3000 mg/kg

TWENTIETH SCHEDULE A

TABLE 1

STANDARD FOR ASPARTAME (Aspartyl phenylalanine methyl ester)

Aspartame shall contain not less than 98% and not more than 102% of aspartame on a water-free basis.

TWENTY-FIRST SCHEDULE

TABLE I

NUTRIENT LEVELS FOR INFANT FORMULA

	NUTRIENT LEVEL (PER 100KCAL)	
Nutrient (1)	Minimum amount (2)	Maximum Amount (3)
Protein (see note below)	1.8g	4.5g
Fat (g)	3.3	6.0
(% cal)	30	54
Essential fatty acids		
(linoleate):		
(% CAL)	3	Not prescribed
(mg)	300	Not prescribed
Vitamin A (expressed as	250 I.U	500 I.U.
retinal)		
Vitamin D	40 I.U.	80 I.U.
Ascorbic Acid (Vit. C)	8 mg	Not prescribed
Thiamine (Vit B1)	40 μg	Not prescribed
Riboflavin (Vit. B2)	60 μg	Not prescribed
Nicotinamide	250 μg	Not prescribed
Vitamin B	35 μg	Not prescribed
Folic Acid	4 μg	Not prescribed
Panthothenic Acid	300 µg	Not prescribed
Vitamin B12	0.15 μg	Not prescribed
Vitamin K	4 μg	Not prescribed
Biotin	1.5 µg	Not prescribed
Vitamin E	0.7 I.U./g linoleic acid in	
	no cas less than 0.7	
	I.U./100kcal	
Sodium (Na)	20 mg	85 mg
Potassium (K)	80 mg	200 mg
Calcium (Ca)	90 mg	Not prescribed
Phosphorus (P)	60 mg	Not prescribed
Iron	1 mg	2 mg
Zinc (Zn)	0.5 mg	1.5 mg

TABLE IA OPTIONAL INGREDIENTS IN INFANT FORMULA

Optional Ingredients (1)	Maximum Level Mg/100 kcal (2)
NUCLEOTIDES	
Cytidine 5' monophosphate	2.5

Uridine 5'-Monophosphate	1.75
Adenosine 5' – Monophosphate	1.50
Guanosine 5' – Monophosphate	0.50
Inosine 5'-Monophosphate	1.00

NOTES:

- 1. * The amounts specified in columns (2) and (3) are for protein of nutritional quality equivalent to that of casein. Greater quantity of other protein is permitted so long as it is in proportion to the biological value of the aforesaid amount. The quality of the other protein shall not be less than 85% of that of casein.
- 2. Where the maximum amount of the nutrient is not prescribed, the total daily intake of that nutrient arising from its uses in accordance with good manufacturing practice, does not present a hazard to health.
- 3. The Ca:P ration shall not be less than 1.2 and not more than 2.0

TABLE II
PERMITTED FOOD ADDITIVE IN INFANT FORMULA

Food Additive (1)	Maximum level in 100 ml of the ready-to drink product (2)
EMULSIFIERS	
Lecithin	0.5 g
Mono and diglycerides of edible fat and edible oil	0.4g
THICKENERS	
Guar gum	0.1 g
Locust bean gum	0.1 g
Distarch phosphate	0.5 g singly in combination in soya-based product only.
Acetylated distarch phosphate	2.5 g singly in combination in hydrolysed protein in amino acid based product or
Carrageenan	both 0.03 g in regular milk and soya based liquid product only.
	0.1 g in hydrolysed protein or amino acid based liquid product or both
ACIDULANTS, ALKALIS AND BUFFERS	
Sodium hydrogen carbonate	
Sodium carbonate	Limited by good manufacturing practice
Potassium hydrogen carbonate	and within the limits for Na and K as
Potassium carbonate	specified in Table 1
Sodium citrate	
Lactic acid	
Citric acid	Limited by good manufacturing practice
ANTIOXIDANTS	
Tocopherols	1mg
L-Ascorbyl plamitate	1mg

TWENTY-FIRST A SCHEDULE

NUTRIENTS LEVELS FOR FOLLOW-UP FORMULA

TABLE 1 Nutrient Level (Per 100 kcal)

Nutrient (1)	Minimum amount (2)	Maximum amount (3)
Protein* (see note below)	3g	5.5g
Fat	3g	6g
Essential fatty acides	300 mg	Not prescribed
(linoleate)		
Vitamin A (expressed as	255 IU or 75 μug	750 IU or 225 µug
retinal)		
Vitamin D	40 IU or 1 µug	120 IU or 3 g
Ascorbic acid (Vitamin C)	8 mg	Not prescribed
Thiamine (Vitamin B1)	40 μg	Not prescribed
Riboflavin (Vitamin B2)	60 µg	Not prescribed
Nicotinamide	250 μg	Not prescribed
Vitamin B6	45 μg	Not prescribed
Folic acid	45 μg	Not prescribed
Pantothenic acid	300 µg	Not prescribed
Vitamin B12	0.15 μg	Not prescribed
Vitamin K1	4 μg	Not prescribed
Biotin (Vitamin H)	1.5 μg	Not prescribed
Vitamin E (% tocopherol	0.7 I.U./g linoleic acid but	Not prescribed
compounds	in no case less than 0.7	
	I.U./100 available calories	
Sodium (Na)	20 mg	85 mg
Potassium (K)	80 mg	Not prescribed
Chloride (CI)	55 mg	Not prescribed
Calcium (Ca)	90 mg	Not prescribed
Phosporus (P)	60 mg	Not prescribed
Magnesium (Mg)	6 mg	Not prescribed
Iron (Fe)	1 mg	2 mg
Iodine (I)	5 μg	Not prescribed
Zinc (Zn)	0.5 µg	Not prescribed

NOTES:

- 1. *Not less than 3.0 g per 100 available calories or 0.7 per 100 available kilojoules of protein of nutritional quality equivalent to that of casein in or a greater quantity of other protein in inverse proportion to its nutritional quality. The quantity of the other protein shall not be less than 85% of that of casein. The total quantity of protein shall be not more than 5.5 g per 100 available calories (or 1.3 g per 100 available kilojoules).
 - Convention factor for nitrogen shall follow the WHO Technical Report Series No. 552, WHO, Geneva.
- 2. Formulas shall contain a minimum of 15 ug of Vitamin B6 per gram of protein.
- 3. Where the maximum amount of the nutrient is not prescribed, the total daily intake of that nutrient arising from its use in accordance with good manufacturing practice does not present a hazard to health.
- 4. The Ca:P ratio shall not be less than 1.2 and not more than 2.0.
- 5. 1 kilojoule (kJ) is equivalent to 0.239 kilocalories (kcal).

TABLE II

PERMITTED FOOD ADDITIVE IN FOLLOW-UP FORMULA

Food Additive (1)	Maximum level in 100 ml of the ready-to drink product (2)
EMULSIFIERS Lecithin Mono and diglycerides of edible fat and edible oil	0.5 g 0.4g
THICKENERS Guar gum Locust bean gum Distarch phosphate Acetylated distarch phosphate Carrageenan Pectin	0.1g 0.5 g singly in combination in soya-based product only. 2.5 g singly in combination in hydrolysed protein in amino acid based product or both 0.03 g in regular milk and soya based liquid product only.
ACIDULANTS, ALKALIS AND BUFFERS Sodium hydrogen carbonate Sodium carbonate Sodium citrate Potassium hydrogen carbonate Potassium carbonate Sodium hydroxide Potassium citrate Calcium hydroxide L(+) lactic acid L(+) lactic acid producing cultures Citric acid	Limited by good manufacturing practice and within the limits for Na and K as specified in Table 1
ANTIOXIDANTS Mixed tocopherols concentrate % Tocopherols	3mg singly or in combination 3 mg singly or in combination
L-Ascorbyl palmitate L- Ascorbic acid and its Na, CA salts	5 mg singly or in combination expressed as ascorbic acid (See Table I)
FLAVOURING SUBSTANCES Natural Fruit Extracts Vanilla Extract Ethyl vanillin Vanillin	In accordance with Good Manufacturing Practices 5mg 5mg

TABLE III

OPTIONAL INGREDIENTS IN INFANT FORMULA

Optional Ingredient (1)	Maximum level kg/100 kcal (2)
eptional highedient (1)	Waximam level kg/ ree kear (2)

NUCLEOTIDES	
Cytidine 5'-Monophosphate	2.50
Uridine 5' – Monophosphate	1.75
Guanosine 5'- Monophosphate	0.50
Inosine 5' – Monophosphate	1.00
Adenosine 5' – Monophosphate	1.5

TWENTY SECOND SCHEDULE

TABLE 1

NUTRIENT LEVELS FOR CANNED FOOD FOR INFANTS AND CHILDREN AND CEREAL BASED FOOD FOR INFANTS AND CHILDREN

Nutrient	Minimum amount	Maximum amount
Vitamin A (expressed as	255 IU	500 IU
retinal)		
Vitamin D	50 IU	80 IU
Ascorbic acid (Vitamin C)	8 mg	Not prescribed
Thiamine (Vitamin B1)	25 μg	Not prescribed
Riboflavin (Vitamin B2)	60 μg	Not prescribed
Nicotinamide	0.8 µg	Not prescribed
Vitamin B6	35 μg	Not prescribed
Folic acid	4 μg	Not prescribed
Pantothenic acid	300 μg	Not prescribed
Vitamin B12	0.15 μg	Not prescribed
Vitamin E	0.3 I.U.	Not prescribed
Calcium (Ca)	50 mg	Not prescribed
Phosporus (P)	25 mg	Not prescribed
Iron (Fe)	1 mg	Not prescribed
Iodine (I)	5 µug	Not prescribed

NOTES:

- 1. Where the maximum amount of the nutrient is not prescribed, the total daily intake of the nutrient arising from its uses in accordance with good manufacturing practice, does not present a hazard to health.
- 2. The Ca:P ratio shall be not less than 1.2 and not more than 2.0
- 3. The level of Vitamin C shall not apply to biscuits, rusks or other similar product.

TABLE II

PERMITTED FOOD ADDITIVE IN CANNED FOOD FOR INFANTS AND CHILDREN

Food Additive	Maximum level in 100 ml of the ready-to drink product
EMULSIFIERS Lecithin Mono and diglycerides of edible fat and edible oil	0.5 g 0.15g
THICKENERS Locust bean gum Distarch phosphate	0.2g

] Acetylated distarch phosphate] Phosphated distarch phosphate]	0.6 g singly in combination
ACIDULANTS, ALKALIS AND BUFFERS Sodium hydrogen carbonate Sodium carbonate Sodium citrate Potassium hydrogen carbonate Calcium carbonate Lactic acid Citric acid and Na Salt Acetic Acid	Limited by good manufacturing practice and within the limits of Na specified in subregulation 3 of regulation 390. Limited by good manufacturing practice 0.2g 0.5g and within the limit for Na specified in subregulation 3 of regulation 390 0.5h
ANTIOXIDANTS Tocopherols L-Ascorbyl palmitate L- Ascorbic acid and its Na, CA salts FLAVOURING SUBSTANCES	0.03 g/100 g fat singly or in combination 0.02g/100 g fat 0.05g/100g, expressed as ascorbic acid and within the limit of Na specified in subregulation 3 of regulation 390.
Vanilla Extract Ethyl vanillin Vanillin	Limited by Good Manufacturing Practices 7mg 7mg

TWENTY THIRD SCHEDULE

PERMITTED FOOD ADDITIVE IN CEREAL-BASED FOOD FOR INFANTS AND CHILDREN

Food Additive	Maximum level in 100 ml of the ready-to drink product
EMULSIFIERS	
Lecithin	1.5 g
Mono and diglycerides of edible fat	1.5 g
and edible oil	
ACIDULANTS, ALKALIS AND BUFFERS	
Sodium hydrogen carbonate	
Sodium carbonate	Limited by good manufacturing practice
Sodium citrate	and within the limits of Na specified in
	subregulation 3 of regulation 391.
Potassium hydrogen carbonate	
Calcium carbonate	Limited by good manufacturing practice
	Limited by good manufacturing practice

Lactic acid	
Citric acid	1.5g
	2.5g
ANTIOXIDANTS	
Tocopherols	0.03 g/100 g fat singly or in combination
L-Ascorbyl palmitate	0.02g/100 g fat
L- Ascorbic acid and its Na, CA salts	0.05g/100g, expressed as ascorbic acid
	and within the limit of Na specified in
	subregulation 3 of regulation 390.
FLAVOURING SUBSTANCES	
Vanilla Extract	Limited by Good Manufacturing Practices
Ethyl vanillin	7mg
Vanillin	7mg

TWENTY-FOUR SCHEDULE

MAXIMUM TOTAL ENERGY VALUE OF LOW ENERGY FOOD

Type of Food	Maximum Total Energy Value
Beverage (ready for consumption)	33 KJ (8 cal) per 100 ml
Spread, marmalade, jam and seri kaya	418 KJ (100 kcal) per 100 g
Table confection (ready for consumption)	58 KJ (14 kcal) per 100 g
All other food	209 KJ (50 kcal) per 100 g

TWENTY-FOURTH A SCHEDULE

PERMITTED INGREDIENTS IN SALT SUBSTITUTES

Ingredient	Maximum level
a. Potassium sulphate, potassium,	Not limited, except that P not to exceed
calcium or ammonium salts of adipic,	4% w/w and NH4 + 3% w/w of the salt
glutamic, carbonic, succinic, lactic, tartic,	subsitute mixture.
citric, acetic, hydrochloric or	
orthophosphoric acid	
b. Magnesium salts of adipic, glutamic,	Mg++ to be not more than 20% w/w of
carbonic, citric, succinit, acetic, tartaric,	th total of the cation K+, Ca++ and NHc+
lactic, hydrochloric or orthophosphoric	present in salt substitute mixture and P
acids mixed with other Me-free salt	not to exceed 4% w/w of the salt
substitutes as listed in (a) c and d	substitute mixtures.
c. Choline salts of acetic, carbonic, lactic,	The choline content not to exceed 3%
tartaric, cirtric or hydrochloric acids,	w/w of the salt substitute mixture.
mixed with other choline free salt	
substitute as listed in a, b or d.	
Free adipic, glutamic, citric, lactic or malic	Not limited.
acid	

TWENTY FIFTH SCHEDULE STANDARD FOR WATER AND PACKAGED DRINKING WATER

1. Physical standard

Pysical properties	Maximum permitted proportion
Color (True Color Unit)	15
Turbidity (Nephelometric turbidity unit)	5

2. Chemical standard:

l Dh	165 to 05	l l
1 [1]	0.5 10 0.5	

Chemicals	Maximum permitted proportion in	
	milligram per litre (mg/l)	
Aluminium (as A1)	0.2	
Ammonia (as N)	0.5	
Anionic Detergent (MBAS)	1.0	
Arsenic (as AS)	0.05	
Biocides (Total)	0.1	
Cadmium (as Cd)	0.005	
Carbon chloroform extract	0.5	
Chloride (as C1)	250	
Chloroform	0.03	
Chromium (as Cr)	0.05	
Copper (as Cu)	1.0	
Cyanide (as CN)	0.1	
Floride (as F)	1.5	
Hardness (as CaCO3)	500	
Iron (as Fe)	0.3	
Lead (as Pb)	0.05	
Magnesium	150	
Manganese (as Mn)	0.1	
Mercury (as Hg)	0.001	
Mineral oil	0.3	
Nitrate (as N)	10	
Phenol	0.002	
Selenium	0.01	
Silver (as Ag)	0.05	
Sodium (as Na)	200	
Sulphate (as So4)	400	
Zinc (Zn)	5	

Residual Chlorine (Free)	0.1

Pesticides

Chemical	Maximum permitted proportion in milligram per litre (mg/l)
Aldin/Dieldrin	0.00003
Chlordane	0.0003

2, 4-D	0.1
DDT	0.001
Heptachlor and Heptachlor Epoxide	0.0001
Hexachlorobenzene	0.00001
Lindane	0.003
Methozychlor	0.03

3. Bacteriological Standard

Bacteria	Methord	Count per 100 ml
Coliform organism	Multiple tube method	i. shall not exceed 10
	(37°C/48 hrs)	(Most probable No.);
		ii. shall not be detectable
		in 2 consecutive samples
		iii. shall be detectable in
		95 percent of samples
		throughout the year
	Membrane filter	1. arithmetic mean of all
		monthly samples is 1
		colony/100ml;
		ii. not more than 4
		colonies/100 ml in 2
		consecutive samples.
Escherichia coli	Multiple tube method	Nil (Most Probable
		Number)

4. Radioactivity

Gross a	0.1 Bq/l
Gross ß	1 Bq/l

TWENTY SIXTH SCHEDULE

STANDARD FOR NATURAL MINERAL WATER

Chemical Standard:

Chemicals	Maximum permitted proportion in milligram per liter (mg/l)
Arsenic	0.05
Barium	1
Borate (calculated as H3 BO3)	30
Cadmium	0.01
Copper	1
Chromium (VI)	0.05
Cyanide (calculated as CN-)	0.01
Fluoride (calculated as F-)	2
Lead	0.05
Manganese	2
Mercury	0.001
Nitrate (calculated as NO ₃ -)	45
Nitrites (calculated as NO ₂ -)	0.005
Organic matter (calculated as O ₂)	3
Selenium	0.01
Sulphide (calculated as H ₂ S)	0.05
Zinc	5

2. Bacteriological Standard:

Bacteria	Methord	Count per 100 ml
Coliform organism	Multiple tube method	i. shall not exceed 10
	(37°C/48 hrs)	(Most probable No.);
		ii. shall not be detectable
		in 2 consecutive samples
		iii. shall be detectable in
		95 percent of samples
		throughout the year
	Membrane filter	1. arithmetic mean of all
		monthly samples is 1
		colony/100ml;
		ii. not more than 4
		colonies/100 ml in 2
		consecutive samples.
Escherichia coli	Multiple tube method	Nil (Most Probable
		Number)

Radioactivity

Gross α	0.1 Bq/l
Gross β	1 Bq/l