INTRODUCTION

1. The Codex Committee on Foods for Special Dietary Uses held its ninth session by courtesy of the Government of the Federal Republic of Germany, in Bonn. The session was opened by the Chairman of the Committee, Dr. R. Franck, First Director and Professor of the Federal Health Office, Berlin.

2. The session was attended by 22 government delegations from the following countries:

   - Australia
   - Belgium
   - Brazil
   - Canada
   - Denmark
   - Egypt
   - Finland
   - France
   - Hungary
   - Ireland
   - Italy
   - Kuwait
   - Libya
   - Mexico
   - Norway
   - Sweden
   - Switzerland
   - Thailand
   - United Kingdom
   - United States of America
   - The Netherlands

Observers from 12 International Organizations were present. A list of participants, including the representatives of FAO and WHO, is attached as Appendix I to this Report.

ADOPTION OF THE PROVISIONAL AGENDA

3. The Committee adopted the Provisional Agenda with some rearrangements in the order of items to be discussed. The Committee agreed to take into consideration a document made available by the delegation of the United Kingdom containing a draft General Standard for the Labelling of and Claims for Prepackaged Foods for Special Dietary Uses (CX/FSDU 75/10) under Item 10(a). The Committee decided to consider the revised Draft Standard for Gluten-Free Foods at Step 7 (CX/FSDU 75/8) and the revised version of the Draft Standard for Foods for Use in the Diet of Diabetics (Conference Room Document No. 5) under Items 10(b) and 10(c) respectively.

APPOINTMENT OF RAPPORTEURS

4. Dr. R.H.C. Fleming (Australia) and Mr. H. Prost (France) were appointed as rapporteurs.

AD HOC WORKING GROUP ON METHODS OF ANALYSIS IN STANDARDS FOR FOODS FOR INFANTS AND CHILDREN

5. The Committee decided to establish an ad hoc Working Group to deal with methods of analysis related to the standards for foods for infants and children and to report to the Committee in the course of the session. The Group consisted of members of delegations from the Federal Republic of Germany, France, the United Kingdom and the United States of America, as well as a member of the FAO Secretariat.
MATTERS ARISING FROM SESSIONS OF OTHER CODEX COMMITTEES

6. The Committee agreed that matters arising from the Tenth Session of the Committee on Food Additives, the Tenth Session of the Committee on Food Labelling and the 12th Session of the Committee on Food Hygiene should be dealt with, when the relevant items were discussed.

7. The Committee was informed that the Codex Committee on Food Hygiene had considered a Code of Hygienic Practice for Foods for Infants and Children and had decided to submit the Code at Step 3 to governments for comments (ALINORM 76/13A, paras 57-59). The Committee decided that discussion of the Code should be postponed to a later session.

8. The Committee noted that the Codex Committee on Pesticide Residues had agreed with the opinion of this Committee that it was not possible at the present time to establish an overall limit for pesticide residues in foods for infants and children.

FOOD ADDITIVES IN FOODS FOR INFANTS AND CHILDREN

9. The Committee had before it the report of the ad hoc Working Group on Food Additives in Foods for Infants and Children which had met in The Hague from 29 to 30 May 1975. The Chairman of the Ad Hoc Working Group Dr. T.K. Murray (Canada) explained that the technological justification for the use of food additives in foods for special dietary uses had been thoroughly examined and reported to the Codex Committee on Food Additives.

10. The Committee was informed of those food additive provisions in the standards for Infant Formula, Canned Baby Food and Infant Food based on Cereals, which had been endorsed. The Committee was advised by the representative of WHO that his Organization had no objection to the provisions for the additives proposed in the three standards, provided that:

(a) the special Infant Formula containing the higher level of carrageenan be restricted to products of special composition in life-saving situations by means of appropriate labelling, in view of the fact that the "maximum daily intake" of carrageenan exceeded its ADI in special formulae (see CX/FSDU 75/6); and

(b) labelling provisions in the standards for Canned Baby Food and Processed Foods for Infants and Children based on Cereals indicated that these foods were not intended for infants under three months of age.

WHO was also of the view that the "maximum daily intake" per kg infant for ascorbyl palmitate, calculated to be 1.5 mg (see CX/FSDU 75/6), only marginally exceeded the ADI (1.25 mg) and this was not considered to be of toxicological significance.

11. The Committee took no action on (b) above but agreed with the provisos outlined above and noted that concerning (a) the appropriate restriction would be set out in the Food Additive Section of the Standard for Infant Formula. The Food Additive provisions, as endorsed by the Codex Committee on Food Additives, would be incorporated in the texts of the standard accompanying the adopted report of the Committee.

12. The Committee considered the question whether the "Carry-over Principle" referred to Codex Commodity Committees by the Codex Committee on Food Additives should apply in the case of foods for infants and children. In general, the Committee thought that the Principle should not be applied to Infant Formula but decided to invite government comments before coming to any firm conclusion in the case of this product or the other standards for foods for infants and children. The government comments would be considered by the ad hoc Working Group as well as the technical justification for any proposals concerning further food additive provisions. It was agreed that the ad hoc Working Group should continue up to the next session of the Committee and its Chairman Dr. K. Murray (Canada) would arrange for matters to be dealt with either by correspondence or by convening a brief meeting in conjunction with the Codex Committee on Food Additives or on Foods for Special Dietary Uses, as appropriate (see also para 56).
13. The Committee had before it the above draft standard (App. III, ALINORM 76/26) and documents containing government comments thereon (CX/PDSU 75/3 and Add. 1 and 2).

SCOPE

14. On the proposal of the delegations of Switzerland and the USA, the Committee decided to amend this section editorially as follows:

"This standard applies to Infant Formula in liquid or powdered form intended for use, where necessary, as a substitute for human milk in meeting the normal nutritional requirements of infants. It also provides a standard for formulae intended for infants with special nutritional requirements, except for certain provisions which must be modified to meet those special requirements".

The changes were thought necessary to make it clear that infant formula was not intended to discourage breast feeding except where such a way of feeding was not adequate and to clarify that the standard applied to products sold under the name "Infant Formula" or an equivalent designation.

ESSENTIAL COMPOSITION

Vitamins other than Vitamin E

15. As regards the provisions for Vitamins A and D, the Committee agreed to reduce the maximum levels to 500 I.U. and 80 I.U. respectively as proposed by Switzerland and in view of the comments submitted by FAO.

Vitamin E

16. The Committee considered comments from governments requested specifically at the last session. After full discussion of the way the requirement for Vitamin E should be expressed and of the minimum level of vitamin E provided for, the Committee agreed to a minimum of 0.7 I.U./g linoleic acid or polyunsaturated fatty acids expressed as linoleic acid, but in no case less than 0.7 I.U. per 100 Cals. The delegation of the Netherlands was of the opinion that the minimum requirement should be higher, whereas the delegation of France was of the opinion that a minimum requirement of 1 mg α-tocopherol per g linoleic acid was more appropriate. The delegation of Denmark proposed to consider only α-tocopherol for the sake of analytical simplicity.

Minerals

17. After some discussion as to whether the minimum levels for copper and zinc should be reduced, the Committee decided to leave the provisions unchanged.

Protein

18. The Committee decided to discuss this section from the point of view of (a) the definition of quality of the protein; and (b) the minimum requirement for protein quality with reference to casein. The delegation of the USA proposed to reduce the latter to 70% casein from 85% as provided for in the standard in order to enable countries where animal protein was in short supply to use vegetable protein which, although having a quality lower than that provided for in the standard, was still suitable from a nutritional point of view as recommended by the U.S. Academy of Pediatrics.

19. It was pointed out by some delegations that the standard provided for the addition of amino acids to improve protein quality and that, furthermore, a 30% departure from the reference protein could give rise to errors in the assessment of the quality of the protein in relation to human infants. The Committee decided not to change the minimum requirement for protein quality.

20. On the question of the reference protein, some delegations suggested that casein might not be the best reference material and that other ways, such as the use of the chemical score of human milk, should be explored. The Committee noted that the provision for protein quality had been based on casein as a reference protein and agreed that, for the time being, there was no possibility to make any changes.
21. The Committee then discussed the method of determining protein quality with reference to casein and recalled its previous decision (6th Session) that, as the provisions in the standard were based on the determination of protein efficiency ratio (PER), this method of control should be provided for. The USA recommended that the standard casein test diet contain lactose and fat at levels similar to those in the test formula diet in order to avoid erroneous comparison (see also App. VI to this Report). The Committee agreed and reaffirmed its position on PER but noted that the PER method was not intended to replace the thorough investigation which would be carried out on new formulations or those made with new processing conditions prior to the marketing phase using clinical, biochemical and other methods. Rather, the PER method using casein was intended as a rapid biological method to check compliance. The following footnote was included in the standard:

"Protein quality shall be determined provisionally using the PER method as laid down in Section 11 of this Standard, it being understood that the suitability of the product for infant feeding in conformity with Section 2.2 of this Standard will have been established on the basis of adequate and appropriate tests in the light of current knowledge."

Fat and Linoleate
22. The delegation of the United Kingdom maintained their view that the minimum requirement for linoleate should be 100 mg/100 available Calories as investigations so far in that country did not reveal any evidence that this level would give rise to deficiency. The Committee considered that the present value of 300 mg corresponded to current accepted opinion based on levels in human milk as well as on studies of trienoic and tetraenoic fatty acids in serum and agreed that, pending further conclusive evidence, the level should not be lowered. The United Kingdom considered that a maximum level should be prescribed since otherwise the standard could lead to the use of fats with very high linoleic acid content.

Other Contaminants
23. Considering a proposal by the delegation of the Federal Republic of Germany and the conclusions of the Codex Committee on Food Additives, the Committee adopted the following amended text:

"The product shall be free from residues of hormones and antibiotics as determined by means of agreed methods of analysis, and practically free from other contaminants, especially pharmacologically active substances."

Noting also the request made by the Codex Committee on Food Additives in para 89 of ALINORM 76/12, the Committee requested governments to send relevant information on the basis of which maximum levels could be established for contaminants such as arsenic, tin, lead and others in foods for infants and children.

Hygiene
24. The Committee noted that the Codex Committee on Food Additives had requested that Sections 6.2 and 7.2(c) should be examined for any possible inconsistency. The Committee agreed that both sections were required in the standard and that they were not contradictory as Section 6.2 covered substances resulting from the production of the raw materials or from processing, while Section 7.2(c) referred to toxic substances arising from microbiological contamination.

Labelling
25. The Committee noted that the provision concerning the name of the food had been endorsed by the Codex Committee on Food Labelling (Section 10.1.1). Concerning Section 10.1.4, the Committee considered whether to make the declaration of the absence of milk and milk products mandatory. The Committee agreed to leave the provision optional but to change the form of statement to "contains no milk or milk product" or an equivalent phrase. The Committee considered that it would be necessary to add a Section 10.1.5 to require infant formulae intended for infants with special nutritional requirements to so indicate as part of the name of the product as follows:

"A product intended for infants with special nutritional requirements shall be labelled to show clearly the special requirement for which the formula is to be used and the dietary property or properties on which this is based."
26. The Committee agreed that in Section 10.3.1 information on the amount of energy could be expressed in Calories (kcal) and/or kilojoules (kJ), to permit the use of both units, if so desired. It was further agreed to delete Section 10.4 as the declaration of proteins, vitamins and minerals were already covered by Sections 10.3.1 and 10.3.2 and as a declaration of such nutrients in terms of percentage of the recommended daily intake was neither informative nor feasible. The Committee agreed that Section 10.2.2 should be reworded to make the use of class names optional, as follows:

"The specific name shall be declared for ingredients of animal or plant origin and for food additives. In addition, appropriate class names for these ingredients and additives may be included on the label".

27. It was also agreed that the footnote referring to the provision for 1 mg Fe per 100 available Calories in Section 4.1.2(c) should be transferred to the labelling section as follows:

"Products containing not less than 1 mg iron (Fe)/100 available Calories shall be labelled "Infant Formula with Iron".".

Several delegations agreed with the suggestion of the United Kingdom that the level of 0.15 mg iron (Fe)/100 available Calories for Infant Formula should be expressed as a maximum, but after discussion this was not accepted by the Committee.

Date Marking

28. The Committee received the recommendations contained in the Guidelines prepared by the Codex Committee on Food Labelling concerning the various forms of date marking which Codex Commodity Committees should examine in connection with the products for which they were elaborating standards. The Committee considered that the "date of expiry" in Section 10.9.1 should be replaced by the "date of minimum durability" as the preferred statement with the "date of manufacture" as an alternative. The delegation of Belgium was of the opinion that the date of expiry should be retained as an alternative to the date of minimum durability.

Information for Utilization

29. In view of the worldwide trend away from breast feeding, the Committee discussed in some detail how best to advise mothers concerning the proper usage of infant formulae as a substitute or supplement to breast feeding. The Committee, whilst considering that the main emphasis should be placed on nutrition education programmes, thought it would nevertheless be of some advantage to the purchasers of infant formula if the product were to bear the following statement or an equivalent phrase, as optional labelling where national authorities considered it appropriate to do so:

"Infant formula is intended to replace or supplement breast feeding where breast feeding is not possible or is insufficient".

This optional provision would be included in the standard as Section 10.11, entitled "Optional Labelling".

30. Concerning the general questions of claims and advertisements for Infant Formula vis-à-vis breast feeding, the Committee requested the Codex Committee on Food Labelling to give advice which would ensure that advertising and promotional literature did not in any way imply that Infant Formula is better than human milk.

Status of the Standard

31. The Committee agreed to advance the standard given as App. II to this Report to Step 8 of the Procedure for the Elaboration of Codex Standards. The delegation of the Netherlands recorded a reservation concerning the protein provision of the standard. The delegation did not agree with the use of casein as the reference protein, nor PER as being adequate for measuring the quality of the protein and further considered that the minimum quantity of protein was too low. The delegation of France shared the opinion of the Netherlands concerning the use of casein as reference protein. The delegation of the United Kingdom wanted to place on record that the Committee would need to consider at a future date the subject of renal osmolar load.
"FOLLOW-UP" OR "WEANING" MILK

32. The Committee considered a proposal submitted by Switzerland that a standard be elaborated for milk products intended to cover the extra nutritional needs of infants and children in respect of protein, calcium and calories from the weaning period onwards. The Committee discussed whether there was a need to elaborate provisions to cover such products. Some delegations agreed in principle that this should be done and the Committee decided to request government comments on the Swiss proposal. The Committee agreed that in the light of government comments a decision could be taken at Step 4 as to whether a separate standard be elaborated or amendments be made to the Standard for Infant Formula. The proposed Draft Standard for comments by governments is contained in App. IX to this Report.

PROPOSED DRAFT STANDARD FOR CANNED BABY FOODS

33. The Committee had before it the above draft standard (App.II, ALINORM 76/26) which was considered in the light of government comments (CX/FSDU 75/4 and Add.1 and 2).

Section 3.1.4

34. The Committee considered the tentative maximum level of 250 mg Na/100 Calories in the light of government comments. During the discussions it became evident that an overall figure for the various types of foods covered by the standard might not be appropriate, but that it was desirable to control the amount of sodium in foods for infants and children. Furthermore, it was noted that it would not be appropriate to express the sodium content on a calorie basis in view of the wide variation of the calorie value of the various foods. For these reasons and taking into account that the use of certain food additives and minerals also contributed to the sodium content of these foods, the Committee adopted the following text:

"The total sodium content of the products shall not exceed 200 mg Na/100 g calculated on a ready-to-eat basis in accordance with directions for use. The addition of salt (NaCl) to fruit products and dessert products based on fruit is not permitted."

Section 3.1.2

35. The Committee agreed to delete this Section as it would be covered by Section 4.

Protein Content

36. The Committee considered a proposal of the French delegation for various minimum limits for protein content according to the predominant source of protein, e.g. meat, fish, liver and mixtures of vegetables or cereals with fish, milk, eggs, etc., as well as a maximum limit in sugar for fruit and dessert products. The Committee agreed that compositional requirements such as those proposed by the French delegation would require further careful studies and might be taken up at a future session of the Committee when more information was available from other countries.

Sections 5.2 and 6

37. The Committee agreed that these sections should be brought into harmony with what had been agreed concerning Infant Formula.

Section 9.3.2

38. The Committee, after a full discussion, and in the light of the fact that it was not yet possible to prescribe detailed compositional requirements for the products, agreed that it would be important to require adequate nutrition information to be declared on the label. The following text was adopted by the Committee and the preamble to Section 9.3 was clarified to make the section clearly mandatory:

"9.3.2 - In addition to any other nutritional information required by national legislation, the total quantity in the final product of each vitamin and mineral added according to Section 3.1.3 shall be declared per 100 g as well as according to the serving size of the food suggested for consumption".
Section 9.9.2

39. The Committee considered a proposal by the delegation of Norway to replace this section by a text given in para 38 of ALINORM 76/26. Some delegations were of the opinion that the level of 150 mg nitrate/kg proposed by Norway was not realistic as current survey had shown that many types of foods for infants and children contained nitrate in amounts greater than 150 mg/kg. On the other hand, it was pointed out that canned foods for infants and children could be manufactured using vegetables grown under special conditions so as to contain significantly lower than 150 mg nitrate/kg. It was stressed by some delegations that any decision concerning the suitability of nitrate containing foods for the feeding of young infants should be based on considerations of health.

40. The Committee considered that, in the absence of further information, it was not in a position to change the wording of Section 9.9.2, but agreed that the question of the nitrate content of foods intended for infants and children should be reviewed at a future session in the light of analytical, toxicological and other relevant data. Governments were requested to send all information on this problem to the Committee.

41. As regards Sections 9.2.2 and 9.3.1, the Committee reached the same conclusions as given in para 26.

Status of the Standard

42. The Committee agreed to advance the standard given in App. III to this Report to Step 8 of the Procedure for the Elaboration of Codex Standards.

PROPOSED DRAFT STANDARD FOR PROCESSED CEREAL-BASED FOODS FOR INFANTS AND CHILDREN

Title of the Standard

43. The Committee agreed that the title of the Standard should be editorially changed in English to bring it into harmony with the French, Spanish and German texts.

Scope

44. The Committee adopted the following revised text:

"Cereal-based processed foods for infants and children are intended to supplement the diet of infants and children".

Description

45. The Committee agreed to include glucose in the list of transformed starch products.

Definitions

46. The Secretariat was requested to harmonize the texts of the Standards for Infant Formula, Canned Baby Food and Cereal-based Foods for Infants and Children.

Essential Composition

Section 4.1.1

47. The Committee agreed to delete the restriction concerning soybeans, namely that the soybean be de-fatted or low fat.

Section 4.1.2

48. The Committee, after a full consideration of the government comments, specifically sought on this section and having regard to Section 9.9.2, agreed that a minimum quantity of protein should be required in the cereal products intended for dilution or mixing with water. It was agreed that the minimum limit should be 15% on the dry weight basis for these products. It was further decided to delete from the section the phrase "if the product is recommended as a source of protein". The text of Section 4.1.2 as adopted, was as follows:

"Where the product is intended to be mixed with water before consumption the minimum content of protein shall not be less than 15% on a dry weight basis and the quality of the protein shall not be less than 70% of that of casein".
Concerning the absence of other basic nutritive requirements, the delegation of France proposed that limits should be introduced in the standard for sugars, sodium and calcium. A number of delegations thought that calcium should not be singled out among nutrients but agreed that limits should be established for sodium. After a lengthy discussion of the sodium levels likely to be found in the various cereal-based products covered by the standard, the Committee agreed to fix a limit of 100 mg/100 g of the ready-to-eat product for products described in Sections 2.1, 2.2, 2.3 and 2.5 of the Standard. Regarding products described in Section 2.4, the Committee agreed to a limit of 300 mg/100 g of the product as sold. The Committee decided, in view of the maxima for sodium, not to prohibit the addition of salt (sodium chloride) to the products. It was further agreed that if iodized salt were used, it should be in accordance with the national legislation of the country in which the product was sold. As a consequence of these decisions, salt (sodium chloride) would need to be included in the list of optional ingredients in Section 4.2.1 and Sections 4.2.2 and 4.2.3 would be merged. In connection with the proposal to introduce a maximum limit for sugars in the product, the Committee decided not to incorporate such a provision.

Quality Factors

Section 4.3.3

The Committee considered whether a change should be made in Section 4.3.3 concerning moisture content of the finished product. It was agreed that the present text was insufficient to ensure that the moisture content would be at a level which would ensure the maintenance of the nutritional value of the products. The Committee decided to amend the text as follows:

"The moisture content of the products shall be governed by GMP for the individual product categories and shall be at such a level that there is a minimum loss of nutritive value and at which microorganisms cannot multiply".

Food Additives

The Committee agreed that this Section should only contain those additives which had been proposed by the Committee on Food Additives. The question of the "Carry-Over Principle" referred to in Section 5.2 would be reviewed in the light of the Committee's considerations of government comments at a future session as had been decided in the case of the Standards for Infant Formula and Canned Baby Foods. It was agreed that the ad hoc Working Group should examine the technological need for the use of ammonium bicarbonate for possible inclusion as a chemical leavening agent.

Contaminants and Hygiene

It was agreed that Sections 6 and 7 should be brought into conformity with the same provisions, as amended, in the Standard for Infant Formula.

Information for Utilization

The Committee considered in detail the question of how-best to provide information on dilution or mixing media for products containing either more or less than 15% protein. The Committee expressed concern that the information on the label should be sufficient to avoid the improper dilution of products which would result in an insufficient amount of protein being fed, whilst at the same time there was a need to deal with situations where there might be an excessive amount of protein being fed. The Committee considered that it was important that both situations should be covered by the Standard and adopted the following texts:

"Section 9.9.2 - When the product contains less than 15% protein and the quality is less than 70% that of casein, directions on the label shall state 'Milk or formula but not water shall be used for dilution or mixing' or an equivalent statement".

"Section 9.9.3 - When the product contains more than 15% protein, the instructions for dilution on the label shall state that water, milk or formula may be used for dilution or mixing, in accordance with medical advice or the legislation of the country in which the food is sold".
Status of the Standard

54. The Committee agreed to advance the Standard given as App. IV to this Report to Step 8 of the Procedure for the Elaboration of Codex Standards. The United Kingdom delegation expressed reservations on the advancement of the Standard to Step 8. A number of changes had been made and the United Kingdom considered that governments should be given a further opportunity to comment. The delegation of France stated that it would have wished to see more precise requirements provided for in the Standard concerning the nutritional value of the products.

REPORT OF THE AD HOC WORKING GROUP ON FOOD ADDITIVES FOR INFANTS AND CHILDREN

55. The report of the above Group, held during the session of the Committee, was introduced by the Chairman of the Group Dr. T.K. Murray (Canada). The report is given as App. V to this Report.

56. The Committee adopted the conclusions of the Working Group and agreed that distarch glycerol and acetylated distarch glycerol should be included in the Draft Standard for Canned Baby Food and referred to the Codex Committee on Food Additives for endorsement. Should these two thickening agents be approved by that Committee, the Committee agreed that they should then be included with the other additives already endorsed, when the Recommended Standard is sent by the Commission to governments for acceptance.

METHODS OF ANALYSIS FOR FOODS FOR INFANTS AND CHILDREN

57. The Report of the above Working Group (see App. VI to this Report) was introduced by the Chairman of the Group, Dr. W. Krönert. During the discussion of the report of the Working Group, the following comments were made or conclusions reached:

Carbohydrate Determination

58. The Committee agreed that the term "available carbohydrate" should be changed to "carbohydrate determined by difference" to clarify that the chemical method did not measure biological availability. It served to determine carbohydrate content on the basis of which available calories could be calculated.

Available Calories

59. It was also pointed out that the term "available" was not appropriate, as the method of calculation using conversion factors applied to diet rather than a single product. On the other hand, it was noted that the conversion factors and procedure for the calculation of energy content, adopted at a previous session, implied the physiologically available calorie content. The Committee decided not to modify the requirement in the Standard for Infant Formula for "available calories" but agreed that the question of methodology could be reconsidered should further information become available.

Linoleic Acid

60. The delegation of Canada pointed out that the GLC method being elaborated by the Codex Committee on Fats and Oils measured total C\(_{18}\)(2 double bond) fatty acids rather than the biologically active linoleic acid and that there was a need to examine enzyme assay methods. The Committee agreed that the Codex Committee on Methods of Analysis and Sampling (CCMAS) should examine this question.

Vitamin K\(_{1}\)

61. The delegation of the USA undertook to make available to the Codex Committee on Methods of Analysis and Sampling a published GLC/TLC method for the determination of Vitamin K\(_{1}\).

62. The Committee adopted the conclusions of the Working Group given in App. VI to this Report and referred it, together with the observations and conclusions above to the Codex Committee on Methods of Analysis and Sampling for consideration.
DRAFT GENERAL STANDARD FOR THE LABELLING OF AND CLAIMS FOR PREPACKAGED FOODS FOR SPECIAL DIETARY USES

63. The delegation of the United Kingdom introduced its paper on the above subject explaining that it was intended to provide for general provisions to regulate the labelling of and claims made in respect of foods for special dietary uses. The delegation of the United Kingdom was of the opinion that general or horizontal provisions would be required to ensure that foods, which were not the subject of detailed individual standards, were properly controlled. Sections 1 to 4 of the General Standard were designed to achieve this. Section 5 introduced by way of examples some vertical or specific provisions for certain categories of special dietary foods. The Committee expressed its appreciation of the UK paper and the earlier work which had been done by the delegation of Australia. The Committee was in general agreement that provisions such as those contained in Sections 1 to 4 should be further developed, and at a later stage, if necessary, certain specific aspects of foods not covered by individual standards might be included in a Section 5.

64. The Committee considered that it might also be necessary to review the "Guidelines for the Elaboration of Codex Standards for Foods for Special Dietary Uses", although it was recognized that these were in fact guidelines for the Committee itself. The Committee considered that, in order of priority, it should continue to elaborate individual standards for foods for special dietary uses defined on the basis of medically recognized needs. A General Standard such as that proposed by the United Kingdom would prevent any lacuna arising among the individual standards and in the field of foods for special dietary uses as intended to be covered by the Codex Alimentarius.

65. The Committee agreed to request government comments on Sections 1 to 4 of the General Standard (see App. VII to this Report) and to consider the General Standard in the light of these at its next session, at Step 4.

DRAFT STANDARD FOR "GLUTEN-FREE" FOODS

66. The Committee considered a revised text of the above mentioned standard, which had been prepared at the request of the Committee in the light of government comments by the delegation of Finland. The delegation of the Netherlands informed the Committee that further testing was still proceeding on what initially appeared to be a good sensitive method for the measurement of gluten.

67. A number of delegations considered that the question of the declaration of nutrients removed with the gluten should be examined by the Committee with a view to deciding whether their replacement would be provided for in the Standard. In this connection it was emphasized that, as gluten-free foods were used for long periods of life, their nutritional value was of importance. It was also considered often important in the case of persons requiring gluten-free food that the source and type of carbohydrates and type or source of protein be declared on the label. In view of the number of matters still requiring detailed consideration by the Committee, it was decided to return the Standard to Step 6 and to request the delegations of Finland and the Netherlands to revise the Standard (see App. VIII to this Report) in the light of further government comments to be sought by the Secretariat. It was agreed that the revised Draft Standard and government comments should be placed high up on the agenda of the next session.

LISTS OF MINERAL SALTS AND VITAMIN COMPOUNDS

68. The Committee had before it the above lists contained in App. V and App. VI to ALINORM 76/26 and papers containing government comments on those lists as well as replies to a questionnaire issued by the Secretariat (CX/FSDU 75/7 and Add. 1). The Committee discussed the basic questions of (a) whether the lists should be open or exclusive; (b) whether specifications of identity and purity should be elaborated for the compounds on the list; and (c) how they should be further elaborated.

69. Concerning question (a) above, the Committee noted that exclusive lists should be understood to mean that no other substances may be added to food than those which appeared on the lists. This did not mean that the lists could not be amended by the deletion or addition of compounds on the basis of certain agreed criteria. A number of delegations expressed themselves in favour of exclusive lists.
70. As regards the need for specifications, the Committee considered that it would not be feasible to embark at this time on the elaboration of Codex specifications for the numerous compounds on the lists and agreed that referencing to existing national or international specifications would be sufficient.

71. The Committee discussed details of the lists in the light of government comments. Regarding the proposal to delete nicotinic acid from the list on pharmacological grounds, the Committee noted that the Standard for Infant Formula provided only for nicotinamide and decided to reconsider this matter at the next session. It also agreed to postpone decision on thiamine mononitrate and vitamin D₃-cholesterol complex pending further information. It was also agreed that questions of nomenclature such as the use of the term pteroyl monoglutamic acid as a synonym of folic acid should be resolved.

72. The Committee decided that the lists of mineral salts and vitamin compounds should be redrafted by the delegations of the USA and Switzerland respectively, using all the comments and information received so far and submit them to governments for comments and proposals regarding further additions or deletions. The Secretariat indicated that some substances or moieties of substances might have to be considered by the Codex Committee on Food Additives and that appropriate steps would be taken in this direction. It was agreed that the working papers prepared by the USA and Switzerland would be examined at the next session at which time the question of the status of the lists and the procedure would be discussed.

FUTURE WORK

73. The Committee took account of work arising from the present and previous meetings and also considered other special dietary foods which could possibly be covered by Codex Standards. It was agreed that the Chairman of the Committee, in consultation with the Secretariat, would determine what items should be discussed at the next session of the Committee. However, it was agreed that the Draft Provisional Standard for Gluten-Free Foods and the Draft General Standard for the Labelling of and Claims for Prepackaged Foods for Special Dietary Uses should be discussed at the next session early on the agenda.

(a) Status of Standards

Recommended International Standard for Low-Sodium Foods including Salt Substitutes (CAC/RS 53-1971) At Step 9
Draft Standard for Infant Formula (App. II, ALINORM 76/26A) Advanced to Step 8
Draft Standard for Canned Baby Foods (App. III, ALINORM 76/26A) Advanced to Step 8
Draft Standard for Cereal-Based Processed Foods for Infants and Children (App. IV, ALINORM 76/26A) Advanced to Step 8
Draft Standard for Gluten-Free Foods (App. VIII, ALINORM 76/26A) Returned to Step 6
Proposed Draft Standard for Foods for Use in a Diet for Diabetics 1/ (App. VII, ALINORM 70/26) At Step 4
Proposed Draft Standard for Follow-Up Milk for Infants and Children (App. IX, ALINORM 76/26A) Advanced to Step 3
Proposed Draft Standard for Low-Carbohydrate Foods 1/ (App. IX, ALINORM 70/26) At Step 4

1/ Will be redistributed as a working document.
Proposed Draft General Standard for the Labelling of and Claims for Prepackaged Foods for Special Dietary Uses (App. VII, ALINORM 76/26A)  
Advanced to Step 3

Proposed Draft Standard for Consumer-Packaged Protein Food (App. VII, ALINORM 71/26)  
At Step 4

(b) Proposals for Future Standards
Standard for Low-calorie Foods  
Standard for Low-protein foods  
Standard for Cholesterol-reduced foods  
Suggested by Canada

(c) Other Texts Under Consideration
List of Mineral Salts 1/  
List of Vitamin Compounds 1/  
Sampling Plans for Foods for Infants and Children 1/  
Code of Hygienic Practice for Foods for Infants and Children (App. V, ALINORM 76/13A)  
Sent to governments for comments  
Sent to governments for comments  
To be elaborated by the Working Group on Sampling  
Advanced to Step 3 (by the Codex Committee on Food Hygiene)

OTHER BUSINESS

74. The Chairman indicated that the next session of the Committee would be held between the 11th and 12th sessions of the Codex Alimentarius Commission, probably early 1977.

1/ Will be redistributed as a working document.
LIST OF PARTICIPANTS
LISTE DES PARTICIPANTS
LISTA DE PARTICIPANTES

Chairman
Président
Presidente
Dr. R. Franck
First Director and Professor
Federal Health Office - Berlin
D-1 Berlin 33, Postfach

AUSTRALIA

Dr. R.H.C. Fleming
Director
Food Administration Section
Department of Health
P.O. Box 100
Woden, A.C.T. 2606

BELGIUM

R.J.L. van Havere
Inspecteur des Denrées Alimentaires
Ministère de la Santé Publique et de la Famille
Cité Administrative
Quartier Vésale 4
1010 Bruxelles

BRAZIL

Germinio Nazario
Ministry of Health
Comissão Nacional Normas e Padrões
de Alimentos
Ministerio da Saúde
Av. Brasil
4036 Rio de Janeiro

CANADA

Dr. T.K. Murray
Director
Bureau of Nutritional Sciences
Health Protection Branch
Dept. of Health and Welfare
Ottawa

DENMARK

J.P. Punch
Head of Section
The National Food Institute
Mørkhøj Bygade 19
DK-2860 Søborg

EGYPT

Dr. Shawky Y. Mohamed Elzifzaf
Assistant Professor
College of Agriculture
University of Zagazig

FINLAND

Dr. J. Idanpaan-Heikkila
Docent
National Board of Health
Siltasaarenkatu 18A
SF-00530 Helsinki 53

FRANCE

Dr. H. Prost
Ministère de l'Agriculture
Inspecteur Divisionnaire de la Répression des Fraudes et du
Contrôle de la Qualité
42 bis rue de Bourgogne
F-75007 Paris
FRANCE (Cont.)
Dr. M. Astier-Dumas
Conseil Supérieur d'hygiène
Publique de France
3, rue du Dôme
F-75116 Paris

J. Cognyard
Directeur Services techniques
Union Biscuiterie et Produits Diététiques
194 rue de Rivoli
F-75001 Paris

Rey
Professeur Pédiatrie
Université Paris V
Hôpital des Enfants Malades
149 rue de Sèvres
F-75015 Paris

M. Vansteenberghe
Direction recherche et développement
Société DIFPAL
Les Gémeaux
F-69400 Gleize

Guelard
Ingenieur Chimiste
Service Recherche et Développement
Société des Produits du Maïs
Zone Industrielle
F-54710 Ludres

GERMANY, Fed. Rep. of (Cont.)

Dr. W. Pflüert
Wissenschaftlicher Leiter
Bund für Lebensmittelrecht und Lebensmittelkunde
D-534 Bad Honnef

Bettina Muermann
Wissenschaftliche Mitarbeiterin
Bund für Lebensmittelrecht und Lebensmittelkunde
D-534 Bad Honnef

Friedrich Frede
Stellv. Geschäftsführer
Bundesverband der diätetischen Lebensmittelindustrie
D-638 Bad Homburg

Erhard Wigand
2. Vorsitzender
Bundesverband der diätetischen Lebensmittelindustrie
D-657 Kirn (Nahe)

Dr. Behringer
AGV
Arbeitsgemeinschaft der Verbraucher e.V.
D-5042 Belfstadt
Rotdornweg 6

Walter Schmelz
Produktionsleiter
Nestlé-Allgäuer Alpenmilch AG
D-8 München
Prinzregentenstr. 155

Dr. Ursula Wachtel
Leiterin der Pharm.-Wissenschaftl. Abteilung
Maizena Gesellschaft mbH
Spaldingstr. 218
D-2 Hamburg 1

D. Gnauck
Ministerialrat
Bundesministerium für Ernährung, Landwirtschaft und Forsten
D-53 Bonn - Bad Godesberg 1

Friedrich Frede
Stellv. Geschäftsführer
Bundesverband der diätetischen Lebensmittelindustrie
D-657 Kirn (Nahe)

Dr. G. Dithay
Managing Director
Lorenz & Lihn GmbH
D-405 Mönchengladbach 2
Maria Kasper Str. 62
HUNGARY
HONGRIE
HUNGRIA
Prof. Dr. Karoly Lindner
Academy of Commerce and Gastronomy
Alkontmany-n. 9/11
H-1054 Budapest V

Dr. E. Dworschak
Head of Dept. of Protein
and Vitamin Research
Institute of Nutrition
H-1097 Gyali út 3/a
Budapest

IRELAND
IRLANDE
IRLANDA
J. Sexton
Assistant Principal Officer
Department of Health
Custom House
Dublin 1

Dr. Th. Fitzgerald
Medical Officer
Department of Health
Custom House
Dublin 1

ITALY
ITALIE
ITALIA
Prof. Anna Ferro-Luzzi
Medical Nutritionist
National Institute of Nutrition
Via Lancisi 29
Roma

KUWAIT
KOWEIT
Nizar Al-Nusif
Head of Chemical Food Lab.
Ministry of Public Health
Amiri Hospital, Blood Bank Building
P.O. Box 4077
Kuwait

Dr. Nellie P. Fernando
Consultant Paediatrician
Ministry of Health
P.O. Box 4078
Al Sabah Hospital
Kuwait

LIBYAN Arab Republic
Rép. Arabe LYBIENNE
Rep. Arabe de LIBIA
Derbali Mohamed Muftah
Engineer (Food Sciences)
Council of Food Affairs and
Marine Health
Tripoli

MEXICO
MEXIQUE
M. Ibarra
Counsellor
Gerber Products, S.A. de C.V.
La Fontaine 57
Mexico 5, D.F.

NETHERLANDS
PAYS-BAS
PAISES BAJOS
G. Loggers
Ministry of Public Health and
Environmental Hygiene
Dokter Reijersstraat 10
NL-Leidschendam

H. Prins
Director of Quality Control
N.V. Nutricia
P.B. 1
NL-2280 Zoetermeer

J. Velde
Ministerie van Landbouw en Vissery
Bezuidenhoutseweg 73
Den Haag

O.C. Knottnerus
Hoofd. Produktschap voor
Akkerbouwprodukten
Stadhoudersplantsoen 12
Den Haag

NORWAY
NORVEGE
NORUEGA
O. Aasmundrud
Department Manager
Collett/Marwell Hauge A/S
Drammensveien 852
N-1370 Asker

Ottar Christiansen M.D.
Deputy Director
Division of Hygiene and
Epidemiology
The Health Services of Norway
Akersgt. 42,
Oslo Dep. Oslo 1

Prof. Dr. F.C. Gran
Institute for Nutrition Research
University of Oslo
P.B. 1046
Blindern
SWEDEN
SUEDE
SUECIA
Dr. Wolf Jenning
Head of Food Standards Division
The National Food Administration
Box 622
S-751 26 Uppsala
O. Ågren
Deputy Head of Food Standards Div.
National Food Administration
Box 622
S-751 26 Uppsala
L. Hellving
Director
Semper AB
S-104 35 Stockholm
Bertil Lindquist
Professor of Pediatrics
University of Lund
Department of Pediatrics
University Hospital
S-221 85 Lund
Dr. Med. Lars Söderhjelm
Sundsvall Hospital
S-851 86 Sundsvall

SWITZERLAND
SUISSE
SUIZA
J. Ruffy
Expert
Service féd- de l'hygiène publique
Codex Alimentarius
Haslerstrasse 16
CH-3003 Berne
Dr. W. Hausheer
Schweiz. Codx Komitee
Grenzacherstrasse 124
CH-4002 Basel
Ing. F. Jeanrichard
Sté. Ass. Technique pour Produits
Nestlé S.A.
Case Postale 88
CH-1814 La Tour de Peilz

THAILAND
THAILANDE
TAILANDIA
Theera Satasuk
Chief Food Control Div.
Food and Drug Administration
Ministry of Public Health
Bangkok

UNITED KINGDOM
ROYAUME-UNI
REINO-UNIDO
F.S. Anderson
Principal
Food Standards Division
Ministry of Agriculture, Fisheries and Food
Great Westminster House
Horseferry Road
London SW 1 P 2 AE
I.M.V. Adams
Principal Scientific Officer
Ministry of Agriculture, Fisheries and Food
Great Westminster House
Horseferry Road
London SW 1 P 2 AE
Dr. W.F.J. Cuthbertson
Research Director
Glaxo Research Ltd.
Sefton Park
Stoke Poges
Buckinghamshire
Dr. S.J. Darke
Senior Medical Officer
Department of Health and Social Security DHSS
Alexander Fleming House
Elephant and Castle
London SE 6 BY
R.A. Hendey
Chief Chemist
Head of Research and Nutrition
Cow and Gate Baby Foods
40/42 Stoke Road
Guildford, Surrey
Robert F. Shadbolt
Senior Executive Officer
Food Standards Division
Ministry of Agriculture, Fisheries and Food
Great Westminster House
Horseferry Road
London SW 1 P 2 AE
Victor Staniforth
Manager
H.J. Heinz Co., Ltd.,
Hayes Park
Hayes, Middlesex

UNITED STATES OF AMERICA
ETATS-UNIS D'AMERIQUE
ESTADOS UNIDOS DE AMERICA
Dr. Robert W. Weik
Assistant to Director
Bureau of Foods (HFF-40)
Food and Drug Administration
Washington, D.C. 20204
UNITED STATES OF AMERICA (Cont.)

L.M. Beacham
National Canners' Association
1133 20th St., N.W.
Washington, D.C. 20036

Dr. George A. Purvis
Research Manager
Gerber Products Co.
445 State St.
Fremont, Mich., 49412

Dr. H.P. Sarett
Vice President
Nutritional Science Resources
Mead Johnson Research Center
Evansville, Indiana 47721

Dr. R.M. Tomarelli
Advisor
Wyeth Labs.
Representative Infant Formula Council
Radnor PA 19087

O.B. Wurzburg
Advisor
National Starch and Chemical Inc.
RDI Box 45
White House Station
08889 New Jersey

INTERNATIONAL ORGANIZATIONS (Cont.)

IDACE
Jean Colanéri
Secrétaire Général
IDACE-Association des Industries
des Aliments diététiques de la CEE
194 rue de Rivoli
F-75001 Paris (France)

INTERNATIONAL FEDERATION OF GLUCOSE INDUSTRIES (IFG)
E.G. Rapp
4, Ave. Ernest Claes
B-1980 Tervueren
Bruxelles (Belgium)

INTERNATIONAL SECRETARIAT FOR THE INDUSTRIES OF DIETETIC FOOD PRODUCTS (ISDI)
Dr. W. Schulteiss
Geschäftsführer
Bundesverband der Diätetischen Lebensmittelindustrie
Kelheimer Strasse 10
D-638 Bad Homburg v.d.H.
Postfach (Fed. Rep. of Germany)

INTERNATIONAL UNION OF NUTRITIONAL SCIENCES (IUNS)
Dr. M. Astier-Dumas
3, rue du Dôme
F-75116 Paris (France)

INSTITUT EUROPÉEN DES INDUSTRIES DE LA GOMME DE CAROUBE (INEC)
P. Rönnau
Manager
IFAG Interfrimulsion GmbH
24 Lübeck
P.O.Box 1384 (Fed. Rep. of Germany)

INSTITUT EUROPÉEN DES INDUSTRIES DE LA PECTINE (IEIP)
R. Petit
Unipectine S.A.
26, Avenue de l'Opéra
75001 Paris (France)

CENTRE DE LIAISON DES INDUSTRIES DE TRAITEMENT DES ALGUES MARINES DE LA CEE
F. Deville
Directeur général CLITAM
11, rue Morane Savinier
F-78140 Velizy Villacoublay (France)
WORLD HEALTH ORGANIZATION (WHO)
Dr. W. Keller
Medical Officer
Nutrition Unit
WHO, Avenue Appia
CH-1211 Geneva 27 (Switzerland)

Peter S. Rönnisch, M.D.
Regional Officer for Mother and Child
World Health Organization
Regional Office for Europe
8, Scherfigsvej
DK-2100 Copenhagen (Denmark)

FAO SECRETARIAT
G.O. Kermode
Chief
FAO/WHO Food Standards Programme
FAO, Rome (Italy)

B. Dix
Food Standards Officer
FAO/WHO Food Standards Programme
FAO, Rome (Italy)

Dr. L.G. Ladomery
Food Standards Officer
FAO/WHO Food Standards Programme
FAO, Rome (Italy)

GERMAN SECRETARIAT
Dr. W. Hölzel
Angestellter
Bundesministerium für Jugend,
Familie und Gesundheit
Deutschherrenstrasse 87
D-53 Bonn - Bad Godesberg

H. Hauser
Oberamtsrat
Bundesministerium für Jugend,
Familie und Gesundheit
Deutschherrenstrasse 87
D-53 Bonn - Bad Godesberg
APPENDIX II

DRAFT STANDARD FOR INFANT FORMULA
(Advanced to Step 8)

1. SCOPE

This Standard applies to Infant Formula in liquid or powdered form intended for use, where necessary, as a substitute for human milk in meeting the normal nutritional requirements of infants. It also provides a standard for formulae intended for infants with special nutritional requirements, except for certain provisions which must be modified to meet those special requirements.

2. DESCRIPTION

2.1 Infant Formula, when in liquid form, may be used either directly or diluted with water before feeding, as appropriate. In powdered form it requires water for preparation.

2.2 The product shall be nutritionally adequate to promote normal growth and development when used in accordance with its directions for use.

2.3 The product is so processed by physical means only and so packaged as to prevent spoilage and contamination under all normal conditions of handling, storage and distribution in the country where the product is sold.

3. DEFINITIONS

3.1 The term "Infant" means a person not more than 12 months of age.

3.2 The term "Calorie" means a kilocalorie or "large calorie" (1 kilojoule is equivalent to 0.239 kilocalories).

4. ESSENTIAL COMPOSITION AND QUALITY FACTORS

4.1 Essential Composition

4.1.1 Infant Formula is a product based on milk of cows or other animals and/or on other edible constituents of animal, including fish, or plant origin, which have been proved to be suitable for infant feeding.

4.1.2 Infant Formula shall contain, per 100 available calories (or 100 kilojoules) of intake, the following minimum and maximum levels of vitamins, minerals in an available form, choline, protein, fat and linoleate:

<table>
<thead>
<tr>
<th>Vitamin other Than Vitamin E</th>
<th>Amounts per 100 available Calories</th>
<th>Amounts per 100 available kilojoules</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
</tr>
<tr>
<td>Vitamin A</td>
<td>250 I.U. or 75 µg</td>
<td>500 I.U. or 150 µg</td>
</tr>
<tr>
<td></td>
<td>expressed as retinol</td>
<td>expressed as retinol</td>
</tr>
<tr>
<td>Vitamin D</td>
<td>40 I.U.</td>
<td>80 I.U.</td>
</tr>
<tr>
<td>Ascorbic acid</td>
<td>8 mg</td>
<td>none</td>
</tr>
<tr>
<td>Thiamine (Vitamin B₁)</td>
<td>40 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Riboflavin (Vitamin B₂)</td>
<td>60 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Nicotinamide</td>
<td>250 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Vitamin B₆ (1)</td>
<td>35 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Folic acid</td>
<td>4 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Pantothenic acid</td>
<td>300 µg</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

1/ Formulae with a higher protein content than 1.8 g protein/100 Calories should contain a minimum of 15 µg Vitamin B₆ per gramme of protein.
(a) **Vitamins other than Vitamin E (Cont.)**

<table>
<thead>
<tr>
<th>Vitamin</th>
<th>Amounts per 100 available Calories</th>
<th>Amounts per 100 available kilojoules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin B₁₂</td>
<td>Minimum: 0.15 µg</td>
<td>Maximum: none specified</td>
</tr>
<tr>
<td>Vitamin K₁</td>
<td>4 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Biotin (Vitamin H)</td>
<td>1.5 µg</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

(b) **Vitamin E (α-tocopherol compounds)**

<table>
<thead>
<tr>
<th>Vitamin</th>
<th>Amounts per 100 available Calories</th>
<th>Amounts per 100 available kilojoules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin E</td>
<td>0.7 I.U./g linoleic acid 3/, but in no case less than 0.7 I.U./100 available calories</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

(c) **Minerals**

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium (Na)</td>
<td>20 mg</td>
<td>60 mg</td>
<td>5 mg</td>
<td>15 mg</td>
</tr>
<tr>
<td>Potassium (K)</td>
<td>80 mg</td>
<td>200 mg</td>
<td>20 mg</td>
<td>50 mg</td>
</tr>
<tr>
<td>Chloride (Cl)</td>
<td>55 mg</td>
<td>150 mg</td>
<td>14 mg</td>
<td>35 mg</td>
</tr>
<tr>
<td>Calcium (Ca) 1/</td>
<td>50 mg</td>
<td>none specified</td>
<td>12 mg</td>
<td>none specified</td>
</tr>
<tr>
<td>Phosphorus (P) 1/</td>
<td>25 mg</td>
<td>&quot;</td>
<td>6 mg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Magnesium (Mg)</td>
<td>6 mg</td>
<td>&quot;</td>
<td>1.4 mg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Iron (Fe)</td>
<td>1 mg 2/</td>
<td>&quot;</td>
<td>0.25 mg 2/&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Iron (Fe)</td>
<td>0.15 mg</td>
<td>&quot;</td>
<td>0.04 mg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Iodine (I)</td>
<td>5 µg</td>
<td>&quot;</td>
<td>1.2 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Copper (Cu)</td>
<td>60 µg</td>
<td>&quot;</td>
<td>14 µg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Zinc (Zn)</td>
<td>0.5 mg</td>
<td>&quot;</td>
<td>0.12 mg</td>
<td>&quot;</td>
</tr>
<tr>
<td>Manganese (Mn)</td>
<td>5 µg</td>
<td>&quot;</td>
<td>1.2 µg</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

(d) **Choline**

<table>
<thead>
<tr>
<th>Choline</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 mg</td>
<td>&quot;</td>
<td>1.7 mg</td>
</tr>
</tbody>
</table>

(e) **Protein**

(i) Shall not be less than 1.8 g per 100 available calories (or 0.43 g per 100 available kilojoules) of protein of nutritional quality equivalent to that of casein or a greater quantity of other protein in proportion to its biological value. The quality 4/ of the protein shall not be less than 85% of that of casein. The total quantity of protein shall not be more than 4 g per 100 available calories (or 0.96 g per 100 available kilojoules). The minimum value set for quality and the maximum for quantity of the protein may be modified by national authorities according to their own regulations and/or local conditions.

(ii) Isolated amino acids may be added to Infant Formula only to improve its nutritional value for infants. Essential amino acids may be added to improve protein quality, only in amounts necessary for that purpose. Only natural L forms of amino acids shall be used.

(f) **Fat and Linoleate**

The product shall contain linoleic acid (in the form of glycerides) at a level not less than 300 mg per 100 available Calories (or 70 mg per 100 available kilojoules) and fat at a level not less than 3.3 g and not more than 6 g per 100 available Calories (or not less than 0.8 g and not more than 1.5 g per 100 available kilojoules).

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1/ The Ca:P ratio shall be not less than 1.2 and not more than 2.0.
2/ See Section 10.1.6.
3/ Or per g polyunsaturated fatty acids, expressed as linoleic acid.
4/ Protein quality shall be determined provisionally using the PER method as laid down in Section 11 of this Standard, it being understood that the suitability of the product for infant feeding in conformity with Section 2.2 of this Standard will have been established on the basis of adequate and appropriate tests in the light of current knowledge.
4.2 **Optional Ingredients**

4.2.1 In addition to the vitamins and minerals listed under 4.1.2(a), (b) and (c), other nutrients may be added when required in order to provide nutrients ordinarily found in human milk and to ensure that the formulation is suitable as the sole source of nutrients of the infant.

4.2.2 The usefulness of these nutrients shall be scientifically shown.

4.2.3 When any of these nutrients is added, the formula shall contain significant amounts of these nutrients, based on levels in human milk.

4.3 **Consistency and Particle Size**

When prepared according to the label directions for use, the product shall be free of lumps and of large coarse particles and suitable for being fed through a soft rubber or plastic nipple.

4.4 **Purity Requirements**

All ingredients shall be clean, of good quality, safe and suitable for ingestion by infants. They shall conform with their normal quality requirements, such as colour, flavour and odour.

4.5 **Specific Prohibition**

The product and its components shall not have been treated by ionizing radiation.

5. **FOOD ADDITIVES**

The following additives are permitted in the preparation of Infant Formula, as described in Section 1 of this Standard, and within the restrictions stated below:

5.1 **Thickening Agents**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Maximum level in 100 ml of the ready-to-drink product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guar gum</td>
<td>0.1 g in all types of Infant Formula</td>
</tr>
<tr>
<td>Locust bean gum 1/</td>
<td>0.1 g in all types of Infant Formula</td>
</tr>
<tr>
<td>Distarch phosphate, singly or in combination</td>
<td>0.5 g in soy-based Infant Formulae only, in hydrolyzed protein and/or amino acid-based Infant Formulae only</td>
</tr>
<tr>
<td>Acetylated distarch phosphate, singly or in combination</td>
<td>2.5 g in soy-based Infant Formulae only, in hydrolyzed protein and/or amino acid-based Infant Formulae only</td>
</tr>
<tr>
<td>Phosphated distarch phosphate, singly or in combination</td>
<td></td>
</tr>
<tr>
<td>Hydroxypropyl starch, singly or in combination</td>
<td></td>
</tr>
<tr>
<td>Carrageenan</td>
<td>0.03 g in regular, milk- and soy-based liquid Infant Formulae only</td>
</tr>
<tr>
<td></td>
<td>0.1 g in hydrolyzed protein and/or amino acid-based liquid Infant Formulae only</td>
</tr>
</tbody>
</table>

5.2 **Emulsifiers**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Maximum level in all types of Infant Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecithin</td>
<td>0.5 g</td>
</tr>
<tr>
<td>Mono- and diglycerides</td>
<td>0.4 g</td>
</tr>
</tbody>
</table>

1/ Temporarily endorsed.
5.3 **pH-Adjusting Agents**

- Sodium hydrogen carbonate
- Sodium carbonate
- Potassium hydrogen carbonate
- Potassium carbonate
- Sodium citrate
- Potassium citrate
- L(+)-Lactic acid
- L(+)-Lactic acid producing cultures
- Citric acid

Maximum level in 100 ml of the ready-to-drink product

Limited by GMP (within the limits for Na and K in Section 4.1.2(c)) in all types of Infant Formulae

Limited by GMP in all types of Infant Formulae

Limited by GMP in all types of Infant Formulae

Limited by GMP in all types of Infant Formulae

Limited by GMP in all types of Infant Formulae

5.4 **Antioxidants**

- Mixed tocopherols concentrate
- L-Ascorbyl palmitate

1 mg in all types of Infant Formulae

1 mg in all types of Infant Formulae

6. **CONTAMINANTS**

6.1 **Pesticide Residues**

The product shall be prepared with special care under good manufacturing practices, so that residues of those pesticides which may be required in the production, storage or processing of the raw materials or the finished food do not remain, or, if technically unavoidable, are reduced to the maximum extent possible.

6.2 **Other Contaminants**

The product shall be free from residues of hormones and antibiotics, as determined by means of agreed methods of analysis, and practically free from other contaminants, especially pharmacologically active substances.

7. **HYGIENE**

7.1 To the extent possible in good manufacturing practice, the product shall be free from objectionable matter.

7.2 When tested by appropriate methods of sampling and examination, the product:

(a) shall be free from pathogenic microorganisms;
(b) shall not contain any substances originating from microorganisms in amounts which may represent a hazard to health; and
(c) shall not contain any other poisonous or deleterious substances in amounts which may represent a hazard to health.

7.3 The product shall be prepared, packed, and held under sanitary conditions and should comply with the Code of Hygienic Practice for Foods for Infants and Children (to be prepared by the Committee on Food Hygiene).

8. **PACKAGING**

8.1 The product shall be packed in containers which will safeguard the hygienic and other qualities of the food. When in liquid form, the product shall be packed in hermetically sealed containers; nitrogen and carbon dioxide may be used as packing media.

8.2 The containers, including packaging materials, shall be made only of substances which are safe and suitable for their intended uses. Where the Codex Alimentarius Commission has established a standard for any such substance used as packaging materials, that standard shall apply.
9. **FILL OF CONTAINER**

In the case of products in ready-to-eat form, the fill of container shall be:

(i) not less than 80% v/v for products weighing less than 150 g (5 oz.);
(ii) not less than 85% v/v for products in the weight range 150-250 g (5-8 oz.);
and
(iii) not less than 90% v/v for products weighing more than 250 g (8 oz.) of the water capacity of the container. The water capacity of the container is the volume of distilled water at 20°C which the sealed container will hold when completely filled.

10. **LABELLING**

In addition to Sections 1, 2, 4 and 6 of the Recommended International General Standard for the Labelling of Prepackaged Foods (CAC/RS 1-1969), the following specific provisions apply (subject to endorsement by the Codex Committee on Food Labelling):

10.1 **The Name of the Food**

10.1.1 The name of the product shall be either "Infant Formula" or any appropriate designation indicating the true nature of the food, in accordance with national usage.

10.1.2 The sources of protein in the product shall be clearly shown on the label.

10.1.3 If 90% or more of the protein is derived from whole or skim milk, as such or with minor modification, the product may be labelled "Infant Formula based on Milk".

10.1.4 A product which contains neither milk nor any milk derivative may be labelled "contains no milk or milk products" or an equivalent phrase.

10.1.5 A product intended for infants with special nutritional requirements shall be labelled to show clearly the special requirement for which the formula is to be used and the dietary property or properties on which this is based.

10.1.6 Products containing not less than 1 mg Iron (Fe)/100 available calories shall be labelled "Infant Formula with Iron".

10.2 **List of Ingredients**

10.2.1 A complete list of ingredients shall be declared on the label in descending order of proportion except that in the case of added vitamins and added minerals, these ingredients shall be arranged as separate groups for vitamins and minerals, respectively, and within these groups the vitamins and minerals need not be listed in descending order of proportion.

10.2.2 The specific name shall be declared for ingredients of animal or plant origin and for food additives. In addition, appropriate class names for these ingredients and additives may be included on the label.

10.3 **Declaration of Nutritive Value**

The declaration of nutrition information shall contain the following information in the following order:

10.3.1 The amount of energy, expressed in calories (kcal) and/or kilojoules (kJ), and the number of grammes of protein, carbohydrate and fat per 100 grammes of the food as sold as well as per specified quantity of the food as suggested for consumption.

10.3.2 The total quantity of each vitamin, mineral, choline and any optional ingredient as listed in paragraphs 4.1.2 and 4.2 of this Standard per 100 grammes of the food as sold as well as per specified quantity of the food as suggested for consumption. In addition, the declaration per 100 calories (or per 100 kilojoules) is permitted.

10.4 **Net Contents**

The net contents of Infant Formula shall be declared by volume if it is in liquid form, or by weight if it is in powdered form. The declaration of weight or volume shall be made in either the metric ("Système international" units) or in a system of measurement as required by the country in which the food is sold, or in both systems.
10.5 **Name and Address**
The name and address of the manufacturer, packer, distributor, importer, exporter or vendor of the food shall be declared.

10.6 **Country of Origin**
10.6.1 The country of origin of the food shall be declared if its omission would mislead or deceive the consumer.
10.6.2 When the food undergoes processing in a second country which changes its nature, the country in which the processing is performed shall be considered to be the country of origin for the purposes of labelling.

10.7 **Lot Identification**
Each container shall be embossed or otherwise permanently marked, in code or in clear, to identify the producing factory and the lot.

10.8 **Date Marking and Storage Instructions**
10.8.1 The date of manufacture or, preferably, the date of minimum durability shall be declared in clear and whichever is used shall be indicated.
10.8.2 Storage instructions shall appear on the label or on the accompanying leaflet.

10.9 **Information for Utilization**
10.9.1 Directions as to the preparation and use of the food, and its storage and keeping after the container has been opened shall appear on the label or on the accompanying leaflet.
10.9.2 Information that infants over six months of age should receive supplemental foods in addition to formula shall appear on the label.

10.10 **Optional Labelling**
An indication that Infant Formula is intended to replace or supplement breast feeding, where breast feeding is not possible or is insufficient, may be given on the label.

11. **METHODS OF ANALYSIS AND SAMPLING**
The methods of analysis and sampling described hereunder are international referee methods (will be inserted at Step 8).

**APPENDIX III**

**DRAFT STANDARD FOR CANNED BABY FOODS**
(Advanced to Step 8)

1. **SCOPE**
1.1 Baby Foods are foods intended primarily for use during the normal infant's weaning period and also for the progressive adaptation of infants and children to ordinary food. They may be either in ready-to-eat form or in dry form requiring reconstitution with water only. They do not include products covered by the Codex Standards for Infant Formula or for Processed Cereal-Based Foods for Infants and Children.
1.2 Baby Foods in ready-to-eat form are processed by heat before or after being sealed in their containers, and Baby Foods in dry form are processed by physical means, in each case so as to prevent spoilage.

2. **DEFINITIONS**
2.1 The term "Infant" means a person not more than 12 months of age.
2.2 The term "Children" means persons from the age of more than 12 months up to the age of three years.
2.3 The term "Calorie" means a kilocalorie or "large calorie" (1 kilojoule is equivalent to 0.239 kilocalories).
3. ESSENTIAL COMPOSITION AND QUALITY FACTORS

3.1 Composition

3.1.1 Baby Foods may be prepared from any suitable nutritive material that is used, recognized or commonly sold as an article or ingredient of food, including spices.

3.1.2 Vitamins and minerals may only be added in accordance with the legislation of the country in which the food is sold.

3.1.3 The total sodium content of the products shall not exceed 250 mg Na/100 g calculated on the ready-to-eat basis in accordance with directions for use. The addition of salt (NaCl) to fruit products and dessert products based on fruit is not permitted.

3.2 Consistency and Particle Size

3.2.1 Ready-to-eat baby foods are homogeneous or comminuted in the following forms:

(a) strained - food of a fairly uniform, small particle size which does not require and does not encourage chewing before being swallowed;

(b) junior - food that ordinarily contains particles of a size to encourage chewing by infants and children.

3.2.2 Dry baby foods, after reconstitution with water or other suitable liquid, approximate to the consistency and particle size of strained or junior foods under 3.2.1.

3.3 Purity Requirements

All ingredients, including optional ingredients, shall be clean, of good quality, safe, and with excessive fibre removed where necessary. Fish, meat and poultry ingredients shall be practically free of pieces of bones.

3.4 Specific Prohibition

The product and its components shall not have been treated by ionizing radiation.

4. FOOD ADDITIVES

The following additives are permitted in the preparation of Canned Baby Food, within the restrictions stated below:

4.1 Thickening Agents

<table>
<thead>
<tr>
<th>Additive</th>
<th>Maximum level in 100 g of the ready-to-eat product (unless otherwise indicated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locust bean gum</td>
<td>0.2 g</td>
</tr>
<tr>
<td>Distarch phosphate</td>
<td></td>
</tr>
<tr>
<td>Acetylated distarch phosphate</td>
<td></td>
</tr>
<tr>
<td>Phosphated distarch phosphate</td>
<td></td>
</tr>
<tr>
<td>Hydroxypropyl starch</td>
<td>6 g, singly or in combination</td>
</tr>
<tr>
<td>Acetylated distarch adipate</td>
<td></td>
</tr>
<tr>
<td>Distarch glycerol</td>
<td>2/</td>
</tr>
<tr>
<td>Acetylated distarch glycerol</td>
<td>2/</td>
</tr>
<tr>
<td>Non-amidated pectin</td>
<td>1 g in canned fruit-based Baby Foods only.</td>
</tr>
</tbody>
</table>

1/ Temporarily endorsed.
2/ Pending endorsement by the Codex Committee on Food Additives (see paras 55-56, ALINORM 76/26A).
4.2 **Emulsifiers**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Maximum level in 100 g of the ready-to-eat product (unless otherwise indicated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecithin</td>
<td>0.5 g</td>
</tr>
<tr>
<td>Mono- and diglycerides</td>
<td>1 g/100 g fat</td>
</tr>
</tbody>
</table>

4.3 **pH Adjusting Agents**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydrogen carbonate</td>
<td>Limited by GMP (within the limit for Na in Section 3.1.3)</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td></td>
</tr>
<tr>
<td>Potassium hydrogen carbonate</td>
<td></td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>Limited by GMP</td>
</tr>
<tr>
<td>Citric acid and Na salt</td>
<td>0.5 g (also within the limit for Na in Section 3.1.3)</td>
</tr>
<tr>
<td>L(+)-Lactic acid</td>
<td>0.2 g</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>0.5 g</td>
</tr>
</tbody>
</table>

4.4 **Antioxidants**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed tocopherols concentrate</td>
<td>300 mg/kg fat, singly or in combination</td>
</tr>
<tr>
<td>α-Tocopherol</td>
<td></td>
</tr>
<tr>
<td>L-Ascorbyl palmitate</td>
<td>200 mg/kg fat</td>
</tr>
<tr>
<td>L-Ascorbic acid and its Na and K salts</td>
<td>0.5 g/kg, expressed as ascorbic acid and K salts within the limit for Na in Section 3.1.3</td>
</tr>
</tbody>
</table>

4.5 **Flavours**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vanilla extract</td>
<td>Limited by GMP</td>
</tr>
<tr>
<td>Ethyl vanillin</td>
<td>7 mg</td>
</tr>
<tr>
<td>Vanillin</td>
<td>7 mg</td>
</tr>
</tbody>
</table>

5. **CONTAMINANTS**

5.1 **Pesticide Residues**

The product shall be prepared with special care under good manufacturing practices, so that residues of those pesticides which may be required in the production, storage or processing of the raw materials or the finished food do not remain, or, if technically unavoidable, are reduced to the maximum extent possible.

5.2 **Other Contaminants**

The product shall be free from residues of hormones and antibiotics as determined by means of agreed methods of analysis and practically free from other contaminants, especially pharmacologically active substances.

6. **HYGIENE**

6.1 To the extent possible in good manufacturing practice the product shall be free from objectionable matter.

6.2 When tested by appropriate methods of sampling and examination, the product:

(a) shall be free from pathogenic microorganisms;
(b) shall not contain any substances originating from microorganisms in amounts which may represent a hazard to health; and
(c) shall not contain any other poisonous or deleterious substances in amounts which may represent a hazard to health.
6.3 The product shall be prepared, packed and held under sanitary conditions and should comply with the Code of Hygienic Practice for Foods for Infants and Children (to be prepared by the Committee on Food Hygiene).

7. PACKAGING
The product shall be packed in containers which will safeguard the hygienic and other qualities of the food. If in ready-to-eat form, it shall be packed in hermetically sealed containers; nitrogen and carbon dioxide may be used as packing media.

8. FILL OF CONTAINER
In the case of products in ready-to-eat form, the fill of container shall be:
(i) not less than 80% v/v for products weighing less than 150 g (5½ oz.);
(ii) not less than 85% v/v for products in the weight range 150-250 g (9 oz.); and
(iii) not less than 90% v/v for products weighing more than 250 g (9 oz.) of the water capacity of the container. The water capacity of the container is the volume of distilled water at 20°C which the sealed container will hold when completely filled.

9. LABELLING
In addition to Sections 1, 2, 4 and 6 of the Recommended International General Standard for the Labelling of Prepackaged Foods (CAC/RS 1-1969), the following specific provisions apply (subject to endorsement by the Codex Committee on Food Labelling):

9.1 The Name of the Food
The name of the product shall be that of the major or characterizing ingredient(s) accompanied by words suitable to indicate the consistency or intended use.

9.2 List of Ingredients
9.2.1 A complete list of ingredients shall be declared on the label in descending order of proportion except that in the case of added vitamins and added minerals, these shall be arranged as separate groups for vitamins and minerals, respectively, and within these groups the vitamins and minerals need not be listed in descending order of proportion.

9.2.2 The specific name shall be declared for ingredients and food additives. In addition, appropriate class names for these ingredients and additives may be included on the label.

9.3 Declaration of Nutritive Value
The declaration of nutrition information shall contain the following information in the following order:
9.3.1 The amount of energy, expressed in calories (Cal) and/or kilojoules (kJ), and the number of grammes of protein, carbohydrate and fat per 100 grammes of the food as sold as well as per specified quantity of the food as suggested for consumption.

9.3.2 In addition to any other nutritional information required by national legislation, the total quantity in the final product of each vitamin and mineral added according to Section 3.3, shall be declared per 100 g as well as according to the serving size of the food suggested for consumption.

9.4 Net Contents
The net contents of Baby Food shall be declared either by weight or volume according to consistency. The declaration of weight or volume shall be made in either the metric ("Système international" units) or in a system of measurement as required by the country in which the food is sold, or in both systems.

9.5 Name and Address
The name and address of the manufacturer, packer, distributor, importer, exporter or vendor of the food shall be declared.
9.6 **Country of Origin**

9.6.1 The country of origin of the food shall be declared if its omission would mislead or deceive the consumer.

9.6.2 When the food undergoes processing in a second country which changes its nature, the country in which the processing is performed shall be considered to be the country of origin for the purposes of labelling.

9.7 **Lot Identification**

Each container shall be embossed or otherwise permanently marked in code or in clear, to identify the producing factory and the lot.

9.8 **Date Marking and Storage Instructions**

9.8.1 The date of manufacture or the date of expiry shall be declared in clear and whichever is used shall be indicated.

9.8.2 Storage instructions shall appear on the label or on the accompanying leaflet.

9.9 **Information for Utilization**

9.9.1 Directions as to the preparation and use of the food and its storage and keeping before and after the container has been opened, shall appear on the label or on the accompanying leaflet.

9.9.2 For canned beets (beetroot) and spinach, the following statement shall appear on the label "Use after the age of 12 weeks".

10. **METHODS OF ANALYSIS AND SAMPLING**

The methods of analysis and sampling described hereunder are international referee methods (will be inserted at Step 8).

APPENDIX IV

**PROPOSED DRAFT STANDARD FOR PROCESSED CEREAL-BASED FOODS FOR INFANTS AND CHILDREN**

(Advanced to Step 8)

1. **SCOPE**

Processed Cereal-Based Foods for Infants and Children are intended to supplement the diet of infants and children.

2. **DESCRIPTION**

2.1 **Dry cereals** for infants and children are foods based on cereals and/or legumes (pulses), processed to a low moisture content and so fragmented as to permit dilution with water, milk or other suitable liquid or, as in the case of preparations such as pasta, used after cooking in boiling water or other liquids.

2.2 **Simple or composite cooked flours of cereals** are products which have been cooked in a way that distinguishes them as follows:

2.2.1 Partially cooked flours - which require a second short cooking before use.

2.2.2 Cooked flours as such or for immediate use - which need no further cooking before use.

2.2.3 Dextrinized flours - which are flours in which the starch has been partially transformed into dextrin by heat treatment.

2.3 **Enzyme treated flours of cereals** are flours prepared with enzymes, the starch of which has been transformed into dextrin, maltodextrin, maltose and glucose.

2.4 **Pasta** are foods prepared from milled cereal products suitable for the weaning period.

2.5 **Rusk s and biscuits** are cereal based foods for infants and children, produced by baking process, which may be used either directly or, after pulverization, with the addition of water, milk or other suitable liquids. "Milk biscuits" consist primarily of cereals and contain milk solids.
3. DEFINITIONS

3.1 The term "Infant" means a person not more than 12 months of age.

3.2 The term "Children" means persons from the age of more than 12 months up to the age of three years.

3.3 The term "Calorie" means a "kilocalorie" or "large calorie" (1 kilojoule is equivalent to 0.239 kilocalories).

4. ESSENTIAL COMPOSITION AND QUALITY FACTORS

4.1 Essential Composition

4.1.1 Dry cereal, rusk, biscuits and pasta are prepared primarily from one or more milled cereal products, such as wheat, rice, barley, oats, rye, maize, millet, sorghum and buckwheat and/or legumes (pulses) and also, sesame, arachis and soybean.

4.1.2 Where the product is intended to be mixed with water before consumption, the minimum content of protein shall not be less than 15% on a dry weight basis and the quality of the protein shall not be less than 70% of that of casein.

4.1.3 Milk biscuits are prepared from one or more milled cereal products with the addition of not less than 10% m/m milk proteins.

4.1.4 The sodium content of the products described in Sections 2.1 to 2.4 of this Standard shall not exceed 100 mg/100 g of the ready-to-eat product.

4.1.5 The sodium content of the products described in Section 2.5 of this Standard shall not exceed 300 mg/100 g of the product as sold.

4.2 Optional Ingredients

4.2.1 In addition to the raw materials listed under 4.1, the following ingredients may be added:
- protein concentrates and other high protein ingredients suitable for consumption by infants and children. Essential amino acids may be added to improve protein quality, only in amounts necessary for that purpose. Only natural L forms of amino acids shall be used;
- salt (sodium chloride);
- milk and milk products;
- eggs;
- meat;
- fats and oils;
- fruits and vegetables;
- sugars (nutritive carbohydrate sweeteners);
- malt;
- honey;
- cocoa (only in products to be consumed after 9 months of age, and at the maximum level of 5% m/m on a dry basis);
- potatoes;
- starches, including enzyme modified starches and starches treated by physical means.

4.2.2 The addition of vitamins, minerals and iodized salt shall be in conformity with the legislation of the country in which the product is sold.

4.3 Quality Factors

4.3.1 All ingredients, including optional ingredients, shall be clean, safe, suitable and of good quality.

4.3.2 All processing and drying should be carried out in a manner that minimizes loss of nutritive value, particularly protein quality.

4.3.3 The moisture content of the products shall be governed by good manufacturing practice for the individual product categories and shall be at such a level that there is a minimum loss of nutritive value and at which microorganisms cannot multiply.

4.4 Consistency and Particle Size

4.4.1 When reconstituted according to the label directions for use, dry cereal is of a soft, smooth texture, free of lumps and chewable particles and is suitable for spoon feeding of infants and children.
4.4.2 Rusks and biscuits may be used in the dry form so as to permit and encourage chewing or they may be used and promoted for use in a liquid form, by mixing with water or other suitable liquid, that would be similar in consistency to dry cereals.

4.5 Specific Prohibition
The product and its components shall not have been treated by ionizing radiation.

5. FOOD ADDITIVES
The following additives are permitted in the preparation of Processed Cereal-based Foods for Infants and Children, as described in Sections 2.1 to 2.5 of this Standard:

5.1 Emulsifiers

<table>
<thead>
<tr>
<th>Additive</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecithin</td>
<td>1.5 g</td>
</tr>
<tr>
<td>Mono- and diglycerides</td>
<td>1.5 g</td>
</tr>
</tbody>
</table>

5.2 pH Adjusting Agents

<table>
<thead>
<tr>
<th>Additive</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydrogen carbonate</td>
<td>Limited by GMP (within the limits for Na in Sections 4.1.4 and 4.1.5)</td>
</tr>
<tr>
<td>Potassium hydrogen carbonate</td>
<td>Limited by GMP</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>Limited by GMP</td>
</tr>
<tr>
<td>L(+)Lactic acid</td>
<td>1.5 g</td>
</tr>
<tr>
<td>Citric acid</td>
<td>2.5 g</td>
</tr>
</tbody>
</table>

5.3 Antioxidants

<table>
<thead>
<tr>
<th>Additive</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed tocopherols concentrate</td>
<td>300 mg/kg fat, singly or in combination</td>
</tr>
<tr>
<td>(\alpha)-Tocopherol</td>
<td>300 mg/kg fat, singly or in combination</td>
</tr>
<tr>
<td>L-Ascorbyl palmitate</td>
<td>200 mg/kg fat</td>
</tr>
<tr>
<td>L-Ascorbic acid and its Na and K salts</td>
<td>50 mg, expressed as ascorbic acid and within the limits for Na in Sections 4.1.4 and 4.1.5</td>
</tr>
</tbody>
</table>

5.4 Flavours

<table>
<thead>
<tr>
<th>Additive</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vanilla extract</td>
<td>Limited by GMP</td>
</tr>
<tr>
<td>Ethyl vanillin</td>
<td>7 mg</td>
</tr>
<tr>
<td>Vanillin</td>
<td>7 mg</td>
</tr>
</tbody>
</table>

5.5 Enzymes

<table>
<thead>
<tr>
<th>Additive</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malt carbohydrases</td>
<td>Limited by GMP</td>
</tr>
</tbody>
</table>

6. CONTAMINANTS

6.1 Pesticide Residues
The product shall be prepared with special care under good manufacturing practices, so that residues of those pesticides which may be required in the production, storage or processing of the raw materials or the finished food do not remain, or, if technically unavoidable, are reduced to the maximum extent possible.

6.2 Other Contaminants
The product shall be free from residues of hormones, antibiotics as determined by means of agreed methods of analysis and practically free from other contaminants, especially pharmacologically active substances.
7. HYGIENE

7.1 To the extent possible in good manufacturing practice the product shall be free from objectionable matter.

7.2 When tested by appropriate methods of sampling and examination, the product:
   (a) shall be free from pathogenic microorganisms;
   (b) shall not contain any substances originating from microorganisms in amounts which may represent a hazard to health; and
   (c) shall not contain any other poisonous or deleterious substances in amounts which may represent a hazard to health.

7.3 The product shall be prepared, packed and held under sanitary conditions and should comply with the Code of Hygienic Practice for Foods for Infants and Children (to be prepared by the Committee on Food Hygiene).

8. PACKAGING

8.1 The product shall be packed in containers which will safeguard the hygienic and other qualities of the food.

8.2 The containers including packaging material shall be made only of substances which are safe and suitable for their intended use. Where the Codex Alimentarius Commission has established a standard for any such substance used as packaging material, that standard shall apply.

9. LABELLING

In addition to Sections 1, 2, 4 and 6 of the Recommended International General Standard for the Labelling of Prepackaged Foods (CAC/RS 1-1969) the following specific provisions apply (subject to endorsement by the Codex Committee on Food Labelling).

9.1 The Name of the Food

The name of the food shall be "Dry Cereal for Infants (and/or Children)", "Rusks for Infants (and/or Children)" or "Biscuits (or "Milk Biscuits") for Infants (and/or Children)" or "Pasta for Infants (and/or Children)", or any appropriate designation indicating the true nature of the food, in accordance with national legislation.

9.2 List of Ingredients

9.2.1 A complete list of ingredients shall be declared on the label in descending order of proportion except that in the case of added vitamins and added minerals, these shall be arranged as separate groups for vitamins and minerals, respectively, and within these groups the vitamins and minerals need not be listed in descending order of proportion.

9.2.2 The specific and not the class name shall be declared for ingredients and food additives.

9.3 Declaration of Nutritive Value

The declaration of nutrition information shall contain the following information in the following order:

9.3.1 The amount of energy, expressed in Calories (Cal) or kilojoules (kJ), and the number of grammes of protein, carbohydrate and fat per 100 grammes of the food as sold as well as per specified quantity of the food as suggested for consumption.

9.3.2 If special dietary claims are made that the food contains proteins, vitamins or minerals, the label shall also contain the following information: The amount per 100 grammes of the food as sold as well as per specified quantity of the food as suggested for consumption of protein and each of the stated vitamins and minerals, expressed in percentage of the recommended daily intake of the respective nutrient.

9.4 Net Contents

The net contents shall be declared by weight except that when rusks and biscuits for infants (and/or children) are usually sold by number, a declaration of count may be made. The declaration of weight shall be made in either the metric ("Système international" units) or avoirdupois or both systems of measurement as required by the country in which the food is sold.
9.5 Name and Address

The name and address of the manufacturer, packer, distributor, importer, exporter or vendor of the food shall be declared.

9.6 Country of Origin

9.6.1 The country of origin of the food shall be declared if its omission would mislead or deceive the consumer.

9.6.2 When the food undergoes processing in a second country which changes its nature, the country in which the processing is performed shall be considered to be the country of origin for the purposes of labelling.

9.7 Lot Identification

Each container shall be embossed or otherwise permanently marked in code or in clear to identify the producing factory and the lot.

9.8 Date Marking and Storage Instructions

9.8.1 The date of manufacture or the date of expiry shall be declared in clear and whichever is used shall be indicated.

9.8.2 Storage instructions shall appear on the label or on the accompanying leaflet.

9.9 Information for Utilization

9.9.1 Directions as to the preparation and use of the food, and its storage and keeping before and after the container has been opened, shall appear on the label or on the accompanying leaflet.

9.9.2 When the product contains less than 15% protein and the quality is less than 70% that of casein, directions on the label shall state "Milk or formula but no water shall be used for dilution or mixing" or an equivalent statement.

9.9.3 When the product contains more than 15% protein, the instructions for dilution on the label shall state that water, milk or formula may be used for dilution or mixing, in accordance with medical advice or the legislation of the country in which the food is sold.

10. METHODS OF ANALYSIS AND SAMPLING

The methods of analysis and sampling described hereunder are international referee methods (will be inserted at Step 8).

APPENDIX V

SECOND REPORT OF THE AD HOC WORKING GROUP ON FOOD ADDITIVES IN FOODS FOR INFANTS AND CHILDREN

1. The Working Group on Food Additives in Foods for Infants and Children met during the session of the Committee under the Chairmanship of Dr. T.K. Murray (Canada) to consider the technological justification for distarch glycerol and acetylated distarch glycerol. These substances were inadvertently omitted in the earlier meeting of the Working Group (see ALINORM 76/26, para 93).

2. Distarch glycerol and acetylated distarch glycerol are effective in suspending solids and imparting a palatable texture. They are resistant to severe processing conditions and have a low sensitivity to salts. Acetylated distarch glycerol has excellent freeze-thaw and low temperature stability, particularly in acid foods.

3. The Group agreed that these starches were technologically justified additions to the list of modified starches already approved as thickening agents for Canned Baby Food. The level of use and ADI is the same as for other modified starches (see CX/FSDU 75/6).

4. The Working Group also considered briefly the proposal from Mexico for the use of BHA and BHT in processed foods based on cereals. Agreement was not reached and it was decided to defer a recommendation until next year. It is requested that countries, particularly those with hot climates, who require these antioxidants, submit justification to the Chairman of the Working Group.
5. The Working Group requested that all submissions and comments on the applicability of the Carry-over principle to foods for infants and children reach them by no later than April 1976 to permit the Group to request such additional information as may be required in making recommendations to the Committee.

APPENDIX VI

REPORT OF THE AD HOC WORKING GROUP ON METHODS OF ANALYSIS IN STANDARDS FOR FOODS FOR INFANTS AND CHILDREN

1. The above Ad Hoc Working Group, set up at the beginning of the session (see para 5 of the main report), discussed Conference Room Document No. 6 under the Chairmanship of Dr. W. Krönert, Director and Professor of the Federal Health Office, Berlin. The conclusions of the Group are as follows:

Determination of Fat

2. The Group noted that a method was being collaboratively tested for the determination of fat in various types of foods for infants and children and recommended that this method, if endorsed by the Codex Committee on Methods of Analysis and Sampling, should be inserted into the three standards being elaborated.

Determination of Crude Fibre

3. The Group noted that the determination of crude fibre was intended primarily to assess available carbohydrates by difference. As methods using acid hydrolysis (e.g. AOAC/ISO method being elaborated) would have an error of around 0.5 to 1% in the product, it was considered that the determination of crude fibre in products containing crude fibre of a similar order of magnitude was not of any great consequence. The Group was of the opinion that the Codex Committee on Methods of Analysis and Sampling should give this matter its consideration in relation to the three standards in Appendices II, III and IV to this Report. It was noted that an enzymatic method was currently under investigation and the Group agreed that such a method, when developed, should be compared collaboratively with the AOAC/ISO method.

Determination of Carbohydrates

4. The Group agreed that this should be determined by difference, calculated from results of the determination of crude fibre, fat, ash, protein and water for which the establishment of methods was necessary.

Determination of Crude Protein

5. The Group considered that basically in the determination of crude protein it was a question of the use of appropriate and agreed conversion factors. The Group agreed that the Codex Committee on Methods of Analysis and Sampling should be requested to examine the factors previously suggested by the Committee in view of the fact that the foods in question contained various types of protein and mixtures of proteins.

Determination of Linoleic Acid

6. The Group considered that the method which was being elaborated by the Codex Committee on Fats and Oils would be suitable for the quantitative determination of linoleic acid and agreed that the Codex Committee on Methods of Analysis and Sampling should be requested to examine the problem of the extraction of linoleic acid from Infant Formula.

Protein Efficiency Ratio (PER)

7. The Group proposed that the AOAC method (1970, 39.166-39.170) should be submitted to the Codex Committee on Methods of Analysis and Sampling for endorsement, but noted that the presence of lactose interfered with the determination unless the test group and reference group of test animals both received the same amount of this sugar in their daily diet. The Group agreed that the Codex Committee on Methods of Analysis and Sampling should be requested to give this matter further consideration and amend the AOAC method, if necessary.
Vitamin A, Ascorbic Acid, Pantothenic Acid

The Group noted that two methods had been endorsed for the determination of each of these substances. It was thought that, given the range of foods to be covered, this might indeed be necessary. The Group agreed that the Codex Committee on Methods of Analysis and Sampling should be requested to reexamine this question.

Carotenes

The determination of these substances was thought to be necessary where they had been added as a source of Vitamin A.

General Considerations

The Group agreed that the methods to determine vitamins and minerals should apply to Infant Formula and the other infant foods where a quantitative declaration of the presence of vitamins and minerals was made on the label. It was also agreed that methods endorsed for foods for infants and children should be tested collaboratively to establish their reliability. The Group was of the opinion that the Secretariat should be authorized to finalize the Sections on Methods of Analysis and Sampling on the basis of the decisions of the Codex Committee on Methods of Analysis and Sampling.

APPENDIX VII

PROPOSED DRAFT GENERAL STANDARD FOR THE LABELLING OF AND CLAIMS FOR PREPACKAGED FOODS FOR SPECIAL DIETARY USES (at Step 3)

1. SCOPE

The provisions of this Standard govern the labelling of prepackaged foods for special dietary uses and claims made for such foods. The provisions in the Recommended International Standard for the Labelling of Prepackaged Foods (CAC/RS 1-1969) will also apply but in the event of conflict, the provisions of this standard will take precedence.

2. DEFINITION OF TERMS

For the purposes of this Standard:

2.1 Foods for special dietary uses (or special dietary foods) means those processed foods on general sale which (a) are specially prepared (and claimed to be such) to meet the dietary need of persons whose normal process of assimilation or metabolism are disturbed or for whom a particular effect is to be obtained by a controlled intake of certain substances in food; or (b) without modification are comparable to such foods. They are only those foods for which there is a specified dietary class. Dietary class means the special dietary characteristics of the food and shall not contain any reference to the physiological or pathological condition in which it is intended to alleviate except as provided for in individual Codex standards for special dietary foods covering dietary classes. Dietary classes shall be those provided for in individual standards and subsequent additions thereto (see Section 5).

2.2 Claim means an assertion on a label or in a visual or oral advertisement or an implication or inference which might reasonably be considered to arise out of the use of any words, pictures or devices on a label or in such an advertisement, that the food has special properties, qualities or ingredients which render it suitable for a special dietary use. The inclusion of substances mentioned only in a list of ingredients shall not constitute a claim. Advertisement includes any statement in promotional literature but not in literature provided solely for persons qualified to prescribe special diets for patients with specific digestive or metabolic disorders.

3. MANDATORY LABELLING OF PREPACKAGED FOODS FOR SPECIAL DIETARY USES

3.1 The Name of the Special Dietary Food

(a) The name of the food shall have associated with it the name prescribed for the dietary class to which it belongs, except as provided in individual Codex standards for special dietary foods covering dietary classes;
(b) if the name of the dietary class is associated with a "coined" or fanciful name, it shall also be associated with an appropriately descriptive term;

(c) disorders or diseases for which certain special dietary foods are intended shall not be associated with the name of such food except as provided for in individual Codex standards for special dietary foods covering dietary classes;

(d) the term "health" shall not be used in association with the name of a special dietary food and the name of the food shall not imply health giving properties.

3.2 List of Ingredients

A complete list of ingredients shall be declared on the label in descending order of proportion by weight except that in the case of dehydrated foods which are intended to be reconstituted by the addition of water [or milk], the ingredients may be listed in order of proportion in the reconstituted produce provided that the list of ingredients is headed by a statement such as "ingredients when reconstituted".

3.3 Lot Identification

Each container shall be embossed or otherwise permanently marked, in code or in clear, to identify the producing factory and the lot.

3.4 Date Marking

To be elaborated in the light of discussions in the Codex Committee on Labelling.

3.5 Information for Utilization

(a) Storage for Unopened Food

Storage instructions for unopened special dietary food packages shall be included on the label if such information is necessary to ensure that the product will conform with the standard at the time it is opened for use;

(b) Storage of Opened Food

Storage instructions for opened packages of special dietary food shall be included on the label if necessary to ensure that the opened product maintains wholesomeness and nutritive value. A warning should be included on the label if the food is not capable of being stored after opening, or is not capable of being stored in the container after opening;

(c) Directions for Use

Directions for use shall be included on the label if necessary to ensure correct utilization. In particular, directions for reconstitution should be included on the label, if applicable.

4. CLAIMS

4.1 Where a claim is made that a food is in a dietary class, that food shall comply with all the provisions of this standard.

4.2 A food which is without special modification is comparable to a particular class of dietary food, shall not be claimed to be a special dietary food and notwithstanding 3.1(a), shall not include the dietary class in its name. Such a food may, however, bear a statement in the label that "this food is \(x\) ('\(x\)' indicating the distinguishing characteristic such as low in sodium)" provided that such a statement is true and not likely to mislead the purchaser and that the food conforms to the conditions of this standard and, where appropriate, to those of the individual standard.

4.3 Claims shall not be made for preventive or curative properties or guarantee results for foods in a dietary class nor shall there be any implication that the advice of a physician is not necessary.

4.4 Claims shall not be made for foods in a dietary class regarding their suitability for any disease or disorder except as provided for in individual Codex standards for special dietary foods covering dietary classes.
4.5 No claim shall be made that a food in a dietary class is a "slimming" food or has intrinsic weight-reducing properties but notwithstanding the provisions of Article 4.3, it shall not be prohibited to make a claim asserting usefulness for slimming or weight reduction provided that the label contains a statement to the effect that the food cannot aid slimming or weight reduction except as part of a diet in which the total intake of calories is controlled.

4.6 No claim should state or imply that a food in a dietary class has medical or other professional support.

4.7 No claim shall be made that a food in a dietary class is "sugar-free".

5. DIETARY CLASSES

The following are examples of dietary classes of foods for special dietary uses (see Section 2.1) for which Codex standards have been or are being elaborated or which are envisaged:

- Foods with low sodium content (including salt substitutes)
- Gluten-free foods
- Foods for use in a diet for diabetics
- Low-carbohydrate foods
- Low-calorie foods
- Low-protein foods
- Cholesterol-reduced foods

APPENDIX VIII

PROPOSED DRAFT STANDARD FOR "GLUTEN-FREE" FOODS

(Returned to Step 6)

1. SCOPE

1.1 This Standard applies to foods which are represented directly or indirectly or by implication as intended for special dietary uses by reason of being "free" from gluten.

1.2 The standard refers only to the specific provisions related to the special dietary purpose for which these foods are intended.

2. DESCRIPTION

2.1 Definition

"Gluten-free food" is a food so described, normally containing wheat, rye, barley, or oat flour, in which the gluten of this flour has been extracted, or in which ingredients not containing gluten have been substituted for the wheat, rye, barley, or oat flour normally used in foods of that kind.

2.2 Subsidiary Definitions

2.2.1 For the purpose of this Standard, "gluten" includes only those protein fractions of such grains as wheat, rye, barley and oats which are capable in certain predisposed subjects of causing gluten-induced enteropathies.

2.2.2 For the purpose of this Standard, "gluten-free" means that the gluten content, if any, does not cause unequivocal clinical signs of intolerance nor intestinal mucosal damage in persons sensitive to gluten under clinical or experimental testing conditions.

3. ESSENTIAL COMPOSITION AND QUALITY FACTORS

A "gluten-free" food shall be based on or shall contain:

(a) wheat, rye, barley or oat flour from which all gluten has, so far as is practicable, been extracted, or;

(b) ingredients which do not contain gluten in substitution for wheat, rye, barley or oat flour normally used in a food of that kind; or

(c) any mixture of two or more such ingredients.
4. **LABELLING**

The following provisions in respect of the labelling of this product are subject to endorsement by the Codex Committee on Food Labelling:

4.1 In addition to any labelling provisions applying to the particular food concerned, the following specific provisions for the labelling of "gluten-free foods" shall apply.

4.2 The description "gluten-free" shall be given in immediate proximity to the name of the product.

4.3 A complete list of ingredients shall be declared on the label in descending order of proportion except that in the case of added vitamins and added minerals, these shall be arranged as separate groups of vitamins and minerals, respectively, and within these groups the vitamins and minerals need not be listed in descending order of proportion.

4.4 The declaration of nutrition information shall contain the following: the amount of energy, expressed in Calories (Cal) or kilojoules (kJ), and the number of grammes of protein, carbohydrate and fat per 100 grammes of the food as sold or, where appropriate, of a unit (e.g. one biscuit) of the product.

4.5 The true nature of the carbohydrate (or carbohydrates) and the protein (or proteins) as well as the specific plant or animal source of each carbohydrate and protein present in the product shall be declared on the label.

5. **PACKAGING**

"Gluten-free" foods shall only be sold in containers.

6. **METHODS OF ANALYSIS AND SAMPLING**

The methods of analysis and sampling described hereunder are subject to endorsement by the Codex Committee on Methods of Analysis and Sampling.

6.1 **Determination of Moisture Content**

According to the AOAC (1970) method 1/ (Official Methods of Analysis of the AOAC, 1970, 7.003: Moisture - Official Final Action. I. Drying in Vacuo at 95-100ºC (2)). Results are expressed as g moisture/100 g.

6.2 **Determination of Ash Content**

According to the AOAC (1970) method (Official Methods of Analysis of the AOAC, 1970, 7.010: Ash (7) - Official Final Action). Results are expressed as g ash/100 g to the first decimal place.

6.3 **Determination of Fat Content**

(Methods to be endorsed) 2/

6.4 **Determination of Crude Fibre Content**

(Method to be endorsed) 3/

6.5 **Determination of Protein Content**

(Method to be endorsed) 3/

6.6 **Determination of Available Carbohydrates Content**

(Methods to be endorsed) 4/

6.7 **Calculation of Available Calories (Available Kilojoules)**

(Method to be endorsed) 5/

6.8 **Determination of Gluten Content**

(Method to be elaborated)

1/ Temporarily endorsed (ALINORM 72/23, para 26) For other products.

2/ See ALINORM 72/23, para 26 and ALINORM 74/26, paras 6-7.

3/ See ALINORM 72/23, paras 29, 30 and 31, and ALINORM 74/26, para 9 and App. IIB.

4/ See ALINORM 72/23, para 32 and ALINORM 74/26, para 10.

5/ See ALINORM 72/23, para 31 and ALINORM 74/26, para 8 and App. IIA.
PROPOSED DRAFT STANDARD FOR FOLLOW-UP MILK FOR INFANTS AND CHILDREN 1/

(At Step 3)

1. SCOPE

This Standard applies to foods in liquid or powdered form intended for use during the normal infants' weaning period and during the progressive adaptation of infants and children to ordinary food. These foods are intended to constitute the milky part of the infants' and children's diet besides processed foods based on cereals and baby foods at the age when diversification in the feeding of infants and children is recommended. However, this Standard does not include products covered by the Codex standards for Infant Formula, For Processed Cereal-based Foods for Infants and Children or For Canned Baby Foods.

2. DESCRIPTION

2.1 Follow-up milk, when in liquid form, may be used either directly or diluted with water before feeding, as appropriate. In powdered form it requires water for preparation.

2.2 The product shall be nutritionally adequate to promote normal growth and development when used in accordance with its directions for use.

2.3 The product is so processed by physical means only and so packaged as to prevent spoilage and contamination under all normal conditions of handling, storage and distribution in the country where the product is sold.

3. DEFINITION

3.1 The term "Infant" means a person not more than 12 months of age.

3.2 The term "children" means persons from the age of more than 12 months up to the age of three years.

3.3 The term "Calorie" means "kilocalorie" or "large calorie" (1 kilojoule is equivalent to 0.239 kilocalories).

4. ESSENTIAL COMPOSITION AND QUALITY FACTORS

4.1 Essential Composition

4.1.1 Follow-up milk is a product based on milk of cows or other animals and edible constituents of plant and animal origin, which have been proved to be suitable for infants and children starting from the weaning period. Ninety percent of the total protein content shall be of lactic origin.

4.1.2 Follow-up milk shall contain, per 100 available calories (100 kilojoules) of intake, the following minimum and maximum levels of vitamins, minerals in an available form, choline, protein, fat and linoleate 2/:

<table>
<thead>
<tr>
<th>Vitamin E</th>
<th>Amounts per 100 available calories</th>
<th>Amounts per 100 available kilojoules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin A</td>
<td>Minimum 250 I.U. or 75 µg expressed</td>
<td>Minimum 60 I.U. or 18 µg expressed</td>
</tr>
<tr>
<td></td>
<td>Maximum 500 I.U. or 150 µg expressed</td>
<td>Maximum 120 I.U. or 37 µg expressed</td>
</tr>
<tr>
<td>Vitamin D</td>
<td>40 I.U. as retinol</td>
<td>10 I.U. as retinol</td>
</tr>
<tr>
<td>Ascorbic acid (Vitamin C)</td>
<td>8 mg</td>
<td>1.9 mg</td>
</tr>
</tbody>
</table>

1/ Another name could be "Weaning Milk".

2/ Provisions in this Section which differ from those in the Standard for Infant Formula (App. II) are marked with an asterisk. The provisions for Vitamins A and D have been brought into line with the Standard for Infant Formula by the Secretariat.
### (a) Vitamins other than Vitamin E (Cont.)

<table>
<thead>
<tr>
<th>Vitamin</th>
<th>Amounts per 100 available calories</th>
<th>Amounts per 100 available kilojoules</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
</tr>
<tr>
<td>Thiamine (Vitamin B₁)</td>
<td>40 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>Riboflavin (Vitamin B₂)</td>
<td>60 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>Nicotinamide</td>
<td>250 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>* Vitamin B₆ 1/</td>
<td>38 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>Folic acid</td>
<td>4 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>Pantothenic acid</td>
<td>300 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>Vitamin B₁₂</td>
<td>0.15 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>Vitamin K₁</td>
<td>4 µg</td>
<td>None specified</td>
</tr>
<tr>
<td>Biotin (Vitamin H)</td>
<td>1.5 µg</td>
<td>None specified</td>
</tr>
</tbody>
</table>

### (b) Vitamin E (α-tocopherol - compounds calculated as dl-α-tocopherol-acetate)

Minimum of 0.7 I.U. per g polyunsaturated fatty acids calculated as linoleic acid 2/

### (c) Minerals

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Amounts per 100 available</th>
<th>Amounts per 100 available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
</tr>
<tr>
<td>Sodium (Na)</td>
<td>20 mg</td>
<td>100 mg</td>
</tr>
<tr>
<td>Potassium (K)</td>
<td>80 mg</td>
<td>250 mg</td>
</tr>
<tr>
<td>Chloride (Cl)</td>
<td>55 mg</td>
<td>200 mg</td>
</tr>
<tr>
<td>Calcium (Ca) 3/</td>
<td>60 mg</td>
<td>None specified</td>
</tr>
<tr>
<td>Phosphorus (P) 3/</td>
<td>35 mg</td>
<td>None specified</td>
</tr>
<tr>
<td>Magnesium (Mg)</td>
<td>6 mg</td>
<td>None specified</td>
</tr>
<tr>
<td>Iron (Fe) 1 mg 4/</td>
<td>1 mg</td>
<td>None specified</td>
</tr>
<tr>
<td>Iron (Fe) 0.15 mg</td>
<td>None specified</td>
<td>0.04 mg</td>
</tr>
<tr>
<td>Iodine (I) 5 µg</td>
<td>None specified</td>
<td>1.2 µg</td>
</tr>
<tr>
<td>* Copper (Cu) 6 µg</td>
<td>None specified</td>
<td>1.4 µg</td>
</tr>
<tr>
<td>Zinc (Zn) 0.5 mg</td>
<td>None specified</td>
<td>0.12 mg</td>
</tr>
<tr>
<td>Manganese (Mn) 5 µg</td>
<td>None specified</td>
<td>1.2 µg</td>
</tr>
</tbody>
</table>

### (d) Choline

<table>
<thead>
<tr>
<th>Choline</th>
<th>Amounts per 100 available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
</tr>
<tr>
<td></td>
<td>7 mg</td>
</tr>
</tbody>
</table>

1/ Formulae with a higher protein content than 2.5 g protein/100 calories should contain a minimum of 15 µg vitamin B₆ per gramme of protein.
2/ See Section 4.1.2(b) of the Standard 'For Infant Formula in App. II to this Report.'
3/ The Ca:P ratio shall be not less than 1.2 and not more than 2.0.
4/ See Section 10.1.6 of this Standard.
(e) Protein *

(i) Shall not be less than 2.5 g per 100 available Calories (or 0.60 g per 100 available kilojoules) of protein of nutritional quality equivalent to that of casein or a greater quantity of other protein in proportion to its biological value. The quality of the protein shall not be less than 85% of that of casein. The minimum value set for quality may be modified by national authorities according to their own regulations and/or local conditions.

(ii) Isolated amino acids may be added to follow-up milk only to improve its nutritional value for infants and children. Essential amino acids may be added to improve protein quality, only in amounts necessary for that purpose. Only natural L forms of amino acids shall be used.

(f) Fat and linoleate *

The product shall contain linoleic acid (in the form of glycerides) at a level not less than 300 mg per 100 available calories (or 70 mg per 100 available kilojoules) and fat at a level not less than 2 g and not more than 6 g per 100 available calories (or not less than 0.5 g and not more than 1.5 g per 100 available kilojoules).

4.2 Optional Ingredients

* 4.2.1 In addition to the vitamins and minerals listed under 4.1.2(a), (b) and (c), other nutrients may be added, provided they are suitable for the feeding during the weaning period.

4.2.2 The usefulness of these nutrients shall be scientifically shown.

4.2.3 Restrictions to the ingredients quoted under 4.1.1:
- Cocoa: Only in products to be consumed after 9 months of age and at the maximum level of 5% m/m on a dry basis.

4.3 Consistency and Particle Size

When prepared according to the label directions for use, the product shall be free from lumps and large coarse particles and suitable for being fed through a soft rubber or plastic nipple.

4.4 Purity Requirements

All ingredients shall be clean, of good quality, safe and suitable for ingestion by infants. They shall conform with their normal quality requirements, such as colour, flavour and odour.

4.5 Specific Prohibition

The product and its components shall not have been treated by ionizing radiation.

5. FOOD ADDITIVES 1/

The following additives are permitted in the preparation of Follow-up Milk for Infants and Children, as described in Sections 2.1 to 2.3 of this Standard:

5.1 Emulsifiers

In 100 g of product, on a dry weight basis (unless otherwise indicated)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecithin</td>
<td>1.5 g</td>
</tr>
<tr>
<td>Mono- and diglycerides</td>
<td>1.5 g</td>
</tr>
</tbody>
</table>

1/ The original proposal by Switzerland was to include in Section 5 the additives listed in Section 5, App. IV of ALINORM 76/26. The Secretariat has included the additives provided for in the revised standard for Processed Cereal-based Foods for Infants and Children (see App. IV of this Report), except that Na and K salts have also been made subject to Section 4.1.2(c) of this Standard.
5.2 pH Adjusting Agents

- Sodium hydrogen carbonate
- Potassium hydrogen carbonate
- Calcium carbonate
- L(+)-Lactic acid
- Citric acid

In 100 g of product, on a dry weight basis (unless otherwise indicated)

( Limited by GMP (within the limits for Na and K in Section 4.1.2(c))

Potassium hydrogen carbonate
Limited by GMP

Calcium carbonate
Limited by GMP

L(+)-Lactic acid
1.5 g

Citric acid
2.5 g

5.3 Antioxidants

- Mixed tocopherols concentrate
- \( \alpha \)-Tocopherol
- L-Ascorbyl palmitate
- L-Ascorbic acid and its Na and K salts

300 mg/kg fat, singly or in combination

300 mg/kg fat, singly or in combination

200 mg/kg fat

50 mg, expressed as ascorbic acid
( within the limits for Na and K in Section 4.1.2(c) )

5.4 Flavours

- Vanilla extract
- Ethyl vanillin
- Vanillin

Limited by GMP

7 mg

7 mg

5.5 Enzymes

- Malt carbohydrases

Limited by GMP

6. CONTAMINANTS

6.1 Pesticide Residues

The product shall be prepared with special care under good manufacturing practices, so that residues of those pesticides which may be required in the production, storage or processing of the raw materials or the finished food do not remain, or, if technically unavoidable, are reduced to the maximum extent possible.

6.2 Other Contaminants

The product shall be free from residues of hormones and antibiotics as determined by means of agreed methods of analysis and practically free from other contaminants, especially pharmacologically active substances.

7. HYGIENE

7.1 To the extent possible in good manufacturing practice, the product shall be free from objectionable matter.

7.2 When tested by appropriate methods of sampling and examination, the product:

(a) shall be free from pathogenic microorganisms;
(b) shall not contain any substances originating from microorganisms in amounts which may represent a hazard to health; and
(c) shall not contain any other poisonous or deleterious substances in amounts which may represent a hazard to health.

7.3 The product shall be prepared, packed, and held under sanitary conditions and should comply with the Code of Hygienic Practice for Foods for Infants and Children (to be prepared by the Committee on Food Hygiene).
8. PACKAGING

8.1 The product shall be packed in containers which will safeguard the hygienic and other qualities of the food. When in liquid form the product shall be packed in hermetically sealed containers; nitrogen and carbon dioxide may be used as packing media.

8.2 The containers, including packaging materials, shall be made only of substances which are safe and suitable for their intended uses. Where the Codex Alimentarius Commission has established a standard for any such substance used as packaging materials, that standard shall apply.

9. FILL OF CONTAINER

In the case of products in ready-to-eat form, the fill of container shall be:

(i) not less than 80% v/v for products weighing less than 150 g (5 oz.);
(ii) not less than 85% v/v for products in the weight range 150-250 g (8 oz.);
and
(iii) not less than 90% v/v for products weighing more than 250 g (8 oz.) of the water capacity of the container. The water capacity of the container is the volume of distilled water at 20°C which the sealed container will hold when completely filled.

10. LABELLING

In addition to Sections 1, 2, 4 and 6 of the Recommended International General Standard for the Labelling of Prepackaged Foods (CAC/RS 1-1969), the following specific provisions apply (subject to endorsement by the Codex Committee on Food Labelling):

10.1 The Name of the Food

10.1.1 The name of the product shall be "Follow-up Milk" or any appropriate designation indicating the true nature of the food, in accordance with national usage.

10.1.2 The sources of protein in the product shall be clearly shown on the label.

10.1.3 If 90% or more of the protein is derived from whole or skim milk, as such or with minor modification, the product may be labelled "Follow-up Milk based on Milk".

10.1.4 A product which contains neither milk nor any milk derivative may be labelled "contains no milk or milk products" or an equivalent phrase.

10.1.5 A product intended for infants or children with special nutritional requirements shall be labelled to show clearly the special requirement for which the food is to be used and the dietary property or properties on which this is based.

10.1.6 A product containing more than 1 mg Iron (Fe)/100 Cal shall be labelled as "Follow-up Milk with Iron".

10.2 List of Ingredients

10.2.1 A complete list of ingredients shall be declared on the label in descending order of proportion except that in the case of added vitamins and added minerals, these ingredients shall be arranged as separate groups for vitamins and minerals, respectively, and within these groups the vitamins and minerals need not to be listed in descending order of proportion.

10.2.2 The specific and not the class name shall be declared for ingredients of animal or plant origin and for food additives.

10.3 Declaration of Nutritive Value

The declaration of nutrition information shall contain the following information in the following order:

10.3.1 The amount of energy, expressed in Calories (kcal) and/or kilojoules (kJ), and the number of grammes of protein, carbohydrate and fat per 100 grammes of the food as sold as well as per specified quantity of the food as suggested for consumption.
10.3.2 The total quantity of each vitamin, mineral, choline and any optional ingredient as listed in paragraphs 4.1.2 and 4.2 of this Standard per 100 grammes of the food as sold as well as per specified quantity of the food as suggested for consumption. In addition, the declaration per 100 Calories (or per 100 kilojoules) is permitted.

10.4 Net Contents

The net contents of Follow-up Milk shall be declared by volume if it is in liquid form, or by weight if it is in powdered form. The declaration of weight or volume shall be made in either the metric ("Système international" units) or in a system of measurement as required by the country in which the food is sold, or in both systems.

10.5 Name and Address

The name and address of the manufacturer, packer, distributor, importer, exporter or vendor of the food shall be declared.

10.6 Country of Origin

10.6.1 The country of origin of the food shall be declared if its omission would mislead or deceive the consumer.

10.6.2 When the food undergoes processing in a second country which changes its nature, the country in which the processing is performed shall be considered to be the country of origin for the purposes of labelling.

10.7 Lot Identification

Each container shall be embossed or otherwise permanently marked, in code or in clear, to identify the producing factory and the lot.

10.8 Date Marking and Storage Instructions

10.8.1 The date of manufacture or, preferably, the date of minimum durability shall be declared in clear and whichever is used shall be indicated.

10.8.2 Storage instructions shall appear on the label or on the accompanying leaflet.

10.9 Information for Utilization

Directions as to the preparation and use of the food, and its storage and keeping after the container has been opened, shall appear on the label or on the accompanying leaflet.

11. METHODS OF ANALYSIS AND SAMPLING

The same methods of analysis will be listed here as in the Draft Standard for Infant Formula, in App. II of this Report.