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WARTA KERAJAAN PERSEKUTUAN

*FEDERAL GOVERNMENT  
GAZETTE*

PERATURAN-PERATURAN MAKANAN  
(PINDAAN) 2017

*FOOD (AMENDMENT) REGULATIONS 2017*

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AKTA MAKANAN 1983

PERATURAN-PERATURAN MAKANAN (PINDAAN) 2017

PADA menjalankan kuasa yang diberikan oleh seksyen 34 Akta Makanan 1983 [Akta 281], Menteri membuat peraturan-peraturan yang berikut:

**Nama dan permulaan kuat kuasa**

1. (1) Peraturan-peraturan ini bolehlah dinamakan **Peraturan-Peraturan Makanan (Pindaan) 2017**.

(2) Peraturan-Peraturan ini mula berkuat kuasa pada 15 April 2017 kecuali perenggan 2(b) dan 2(c).

(3) Perenggan 2(b) dan 2(c) mula berkuat kuasa pada 15 April 2018.

**Pindaan peraturan 26**

2. Peraturan-Peraturan Makanan 1985 [P.U. (A) 437/1985], yang disebut “Peraturan-Peraturan ibu” dalam Peraturan-Peraturan ini, dipinda dalam peraturan 26—

(a) dalam subperaturan (2), dengan memasukkan selepas perkataan “Jadual Kedua Belas” perkataan “atau dengan kelulusan bertulis terdahulu daripada Pengarah”;

(b) dengan memasukkan selepas subperaturan (3) subperaturan yang berikut:

“(3A) Maka hendaklah ditulis pada label atas suatu bungkusan bagi makanan yang mengandungi *Epigallocatechin gallate* (EGCG), perkataan “TIDAK DISYORKAN BAGI IBU MENGANDUNG DAN MENYUSUI”.; dan

(c) dengan memasukkan selepas subperaturan (10) subperaturan yang berikut:

“(11) Maka hendaklah ditulis pada label atas suatu bungkusan bagi makanan selain rumusan bayi, rumusan susulan dan susu tepung rumusan bagi kanak-kanak yang mengandungi vitamin K, perkataan “MENGANDUNGI VITAMIN K, SESEORANG YANG MENGAMBIL WARFARIN HENDAKLAH MENDAPATKAN NASIHAT PERUBATAN SEBELUM MEMAKAN PRODUK INI”.”.

### **Pindaan Jadual Kedua Belas**

3. Jadual Kedua Belas Peraturan-Peraturan ibu dipinda dalam DAFTAR I—

(a) dalam perenggan 1—

(i) dalam senarai “Asid Pantotenik”, dengan memasukkan selepas butiran “Pantenol” butiran “Natrium-D-pantotenat”;

(ii) dalam senarai “Besi (Fe)”, dengan memasukkan selepas butiran “Ferik sitrat” butiran yang berikut:

“Ferik ortofosfat

Ferik sakarat

Ferus ammonium fosfat

Ferus bisglisinat

Natrium ferik difosfat

Natrium ferum EDTA (NaFe EDTA)”;

(iii) dalam senarai “Folat”, dengan memasukkan selepas butiran “Folasin” butiran yang berikut:

“Kalsium-L-metil-folat

Asid N-Pteroil-L-glutamik”;

(iv) dalam senarai “Inositol”, dengan memasukkan butiran “Mio inositol (meso inositol)”;

(v) dalam senarai “Kalium (K)”, dengan memasukkan selepas butiran “Kalium gliserofosfat” butiran yang berikut:

“Kalium hidroksida  
Kalium L-laktat”;

(vi) dalam senarai “Kalsium (Ca)”, dengan memasukkan selepas butiran “Kalsium gliserofosfat” butiran “Kalsium hidroksida”;

(vii) dalam senarai “Kolina”, dengan memasukkan selepas butiran “Kolina klorida” butiran yang berikut:

“Kolina sitrat  
Kolina hidrogen tartrat”;

(viii) dengan memasukkan selepas senarai “Kolina” senarai dan butiran yang berikut:

“Kromium (Cr III)  
Kromium (III) sulfat  
Kromium (III) klorida  
Kromium (III) picolinate/Kromiun picolinate (hanya dibenarkan dalam makanan diet berformula)”;

(ix) dengan menggantikan senarai “Magnesim (Mg)” dengan senarai dan butiran yang berikut:

“Magnesium (Mg)  
Magnesium fosfat (bes di dan bes tri)

Magnesium karbonat  
Magnesium klorida  
Magnesium oksida  
Magnesium sitrat  
Magnesium sulfat  
Magnesium asetat  
Magnesium glukonat  
Magnesium gliserol-fosfat  
Magnesium hidroksida  
Magnesium laktat”;

- (x) dalam senarai “Mangan (Mn)”, dengan memasukkan selepas butiran “Mangan sulfat” butiran yang berikut:

“Mangan (II) glukonat  
Mangan (II) gliserol-fosfat”;

- (xi) dengan memasukkan selepas senarai “Mangan (Mn)” senarai dan butiran yang berikut:

“Molibdenum (Mo VI)  
Natrium molibdat  
Ammonium molibdat

Selenium (Se)  
Natrium hidrogen selenit”;

- (xii) dalam senarai “Natrium (Na)”, dengan memasukkan selepas butiran “Natrium glukonat” butiran “Natrium hidroksida”;

- (xiii) dalam senarai “Pro vitamin A”, dengan memasukkan selepas butiran “Beta-karotena” butiran “Lutein”;

(xiv) dalam senarai “Vitamin C”, dengan memasukkan selepas butiran “Kalsium askorbat” butiran “Kalium-L-askorbat”;

(xv) dalam senarai “Vitamin E”, dengan memasukkan selepas butiran “dI-alfa-tokoferol asetat” butiran yang berikut:

“d-alfa-tokoferil asetat

dI-alfa-tokoferil asetat

asid dI-alfa-tokoferil suksinat

dI-alfa-tokoferil polietilena glikol 1000 suksinat

Tokol terbitan minyak sawit dengan tocotrienols dan  $\alpha$ -tocopherol sebagai komponen utama (dengan sekurang-kurangnya 16.7% tocotrienol dan nisbah minimum 70% tocotrienol kepada jumlah vitamin);

(xvi) dalam senarai “Vitamin K<sub>1</sub>”, dengan memasukkan selepas butiran “Fitomenadion” butiran “Fitomenadion (2-Metil-3-fitol-1,4 naftokuinon/Filokuinon/Fitonadion)”;

(xvii) dengan memasukkan selepas senarai “Vitamin K<sub>1</sub>” senarai dan butiran yang berikut:

“Vitamin K<sub>2</sub>

Menaquinon”;

(xviii) dengan menggantikan butiran di bawah tajuk “Zink (Zn)” dengan butiran yang berikut:

“Zink asetat

Zink karbonat

Zink klorida

Zink glukonat

Zink laktat  
Zink oksida  
Zink sulfat”;

(b) dengan menggantikan perenggan 2 dengan perenggan yang berikut:

“2. *Asid amino*

Asid amino perlu

L-iso-leusina  
L-iso-leusina hidroklorida  
L-leusina  
L-leusina hidroklorida  
L-lisina  
L-lisina L-aspartat  
L-lisina L-glutamat dihidrat  
L-lisina monohidroklorida  
N-lisina asetat  
L-metionina  
L-fenilalanina, D-fenilalanina, DL-fenilalanina  
Taurina  
Teronina  
L-teronina  
L-triptofan  
L-valina  
N-Asetil-L-metionina

Asid amino tidak perlu

N-Asetil-L-sisteina  
Alanina  
L-alanina  
L-arginina  
L-arginina hidroklorida

L-arginina-L-aspartat  
Asparagina  
Asid L-aspartik  
L-karnitina  
L-karnitina hidroklorida  
L-karnitina tartrat  
L-sitrulina  
L-sisteina  
L-sisteina hidroklorida  
L-sistina  
L-sistina dihidroklorida  
L-glutamina  
Kalsium L-glutamat  
Asid L-glutamik  
Kalium L-glutamat  
Glisina  
L-histidina  
L-histidina hidroklorida  
Magnesium L-aspartat  
L-ornitina  
L-ornitina monohidroklorida  
Prolina  
L-prolina  
Serina  
L-serina  
L-tirosina”;

(c) dalam perenggan 3, dalam senarai “*Asid lemak*”, dengan memasukkan selepas butiran “Asid Arakidonik” butiran yang berikut:

“Beta palmitin  
Bovin Sphingolipid

Bovin Sphingomyelin

Gangliosida (hanya dibenarkan dalam susu dan hasil tenusu);

(d) dengan menggantikan perenggan 5 dengan perenggan yang berikut:

“5. *Komponen makanan yang lain*

*D-ribosa*

Calcium 3-hydroxy-3-methylbutyrate monohydrate (CaHMB)/hydroxy methylbutyrate (HMB) (hanya dibenarkan dalam makanan pendietan berformula)

*Epigallocatechin gallate* (EGCG)

Isomaltulosa (kecuali dalam rumusan bayi)

Laktotripeptida (terdiri daripada L-valina-L-prolina-L-prolina (VPP) dan L-isoleusina-L-prolina-L-prolina (IPP) dengan kadar VPP:IPP antara 0.56 hingga 1.77 (tambahan hanya dibenarkan bagi jus buah, jus sayur dan produk susu kecuali bagi rumusan bayi, rumusan susulan dan susu tepung rumusan bagi kanak-kanak))

Campuran yang mengandungi 50 peratus (berat bagi setiap berat) galactooligosaccharide (GOS) dan 50 peratus (berat bagi setiap berat) polydextrose (PDX)

Asid sialik (daripada susu)

Sterol tumbuhan atau stanol tumbuhan atau fitosterol atau fitostanol (mengandungi sebahagian besarnya sitosterol, kampesterol, stigmasterol dan stanol tumbuhan lain yang berkaitan)

Ester sterol tumbuhan (mengandungi sebahagian besarnya ester kampesterol, ester stigmasterol dan ester beta-sitosterol)

Protein soya

Sucromalt (hanya dibenarkan dalam makanan diet berformula)

Beta-glukan daripada yis

Bovin laktoferin”; dan

(e) dengan memasukkan selepas perenggan 5 perenggan yang berikut:

“6. *Serabut diet*

Gam akasia/gam arabik (hanya daripada *Acacia senegal* dan *Acacia seyal*)

Galakto-oligosakarida (GOS)

Kanji rintang dalam jagung tinggi amilosa (HAMRS) (tidak dibenarkan dalam rumusan bayi dan rumusan susulan)

Inulin

Beta glukan daripada serat larut oat

Beta glukan daripada barli

Oligofruktosa/frukto-oligosakarida

Campuran oligosakarida mengandungi 90 peratus (berat bagi setiap berat) oligogalaktosil-laktosa (galakto-oligosakarida (GOS)) dan 10 peratus (berat bagi setiap berat) oligo-fruktosil sakarosa (rantai panjang frukto-oligosakarida (lcFOS))

Polidekstrosa

Dekstrin rintang/maltodekstrin rintang (tidak dibenarkan dalam rumusan bayi dan rumusan susulan)”).

Dibuat 24 Mac 2017  
[KKM. 600-1/1/35; PN(PU2)418/XXIV]

DATUK SERI DR. S. SUBRAMANIAM  
*Menteri Kesihatan*

FOOD ACT 1983

FOOD (AMENDMENT) REGULATIONS 2017

IN exercise of the powers conferred by section 34 of the Food Act 1983 [*Act 281*], the Minister makes the following regulations:

**Citation and commencement**

1. (1) These regulations may be cited as the **Food (Amendment) Regulations 2017**.

(2) These Regulations come into operation on 15 April 2017 except paragraphs 2(*b*) and 2(*c*).

(3) Paragraphs 2(*b*) and 2(*c*) come into operation on 15 April 2018.

**Amendment of regulation 26**

2. The Food Regulations 1985 [*P.U. (A) 437/1985*], which are referred to as the “principal Regulations” in these Regulations, are amended in regulation 26—

(*a*) in subregulation (2), by inserting after the words “Twelfth Schedule” the words “or with prior written approval of the Director”;

(*b*) by inserting after subregulation (3) the following regulation:

“(3A) There shall be written in the label on a package of food containing *Epigallocatechin gallate* (EGCG), the words “NOT RECOMMENDED FOR PREGNANT AND LACTATING MOTHER.”; and

(c) by inserting after subregulation (10) the following subregulation:

“(11) There shall be written in the label on a package of food other than infant formula, follow-up formula and formulated milk powder for children containing vitamin K, the words “CONTAINS VITAMIN K, PERSONS TAKING WARFARIN SHALL SEEK MEDICAL ADVICE BEFORE CONSUMING THIS PRODUCT”.”.

### **Amendment of Twelfth Schedule**

3. The Twelfth Schedule to the principal Regulations is amended in TABLE I—

(a) in paragraph 1—

(i) in the list of “Pantothenic Acid”, by inserting after the item “Panthenol” the item “Sodium-D-pantothenate”;

(ii) in the list of “Iron (Fe)”, by inserting after the item “Ferrous sulphate” the following items:

“Ferric orthophosphate  
 Ferric saccharate  
 Ferrous ammonium phosphate  
 Ferrous bisglycinate  
 Sodium ferric diphosphate  
 Sodium Iron EDTA (NaFe EDTA)”;

(iii) in the list of “Folate”, by inserting after the item “Folacin” the following items:

“Calcium-L-methyl-folate  
 N-Pteroyl-L-glutamic acid”;

(iv) in the list of “Inositol”, by inserting the item “Myo inositol (meso inositol)”;

(v) in the list of “Potassium (K)”, by inserting after the item “Potassium glycerophosphate” the following items:

“Potassium hydroxide  
Potassium L-lactate”;

(vi) in the list of “Calcium (Ca)”, by inserting after the item “Calcium glycerophosphate” the item “Calcium hydroxide”;

(vii) in the list of “Choline”, by inserting after the item “Choline chloride” the following items:

“Choline citrate  
Choline hydrogen tartrate”;

(viii) by inserting after the list of “Choline” the following list and items:

“Chromium (Cr III)  
Chromium (III) sulphate  
Chromium (III) chloride  
Chromium (III) picolinate/Chromium picolinate  
(only permitted in formula dietary food)”;

(ix) by substituting for the list of “Magnesium (Mg)” the following list and items:

“Magnesium (Mg)  
Magnesium phosphate (di basic and tri basic)  
Magnesium carbonate

Magnesium chloride  
Magnesium oxide  
Magnesium citrate  
Magnesium sulphate  
Magnesium acetate  
Magnesium gluconate  
Magnesium glycerol-phosphate  
Magnesium hydroxide  
Magnesium lactate”;

- (x) in the list of “Manganese (Mn)”, by inserting after the item “Manganese sulphate” the following items:

“Manganese (II) gluconate  
Manganese (II) glycerol-phosphate”;

- (xi) by inserting after the list of “Manganese (Mn)” the following lists and items:

“Molybdenum (Mo VI)  
Sodium molybdate  
Ammonium molybdate

Selenium (Se)  
Sodium hydrogen selenite”;

- (xii) in the list of “Sodium (Na)”, by inserting after the item “Sodium gluconate” the item “Sodium hydroxide”;

- (xiii) in the list of “Pro vitamin A”, by inserting after the item “Beta-carotene” the item “Lutein”;

(xiv) in the list of “Vitamin C”, by inserting after the item “Calcium ascorbate” the item “Potassium-L-ascorbate”;

(xv) in the list of “Vitamin E”, by inserting after the item “dl-alpha-tocopherol acetate” the following items:

“d-alpha-tocopheryl acetate

dl-alpha-tocopheryl acetate

dl-alpha-tocopheryl acid succinate

dl-alpha-tocopheryl polyethylene glycol 1000 succinate

Palm oil derived tocopherols with tocotrienols and  $\alpha$ -tocopherol as the principal components (with at least 16.7% of tocotrienol and a minimum ratio of 70% tocotrienol to total vitamin);

(xvi) in the list of “Vitamin K<sub>1</sub>”, by inserting after the item “Phytomenadione” the item “Phytomenadione (2-Methyl-3-phytyl-1,4 naphthoquinone/Phylloquinone/Phytonadione)”;

(xvii) by inserting after the list of “Vitamin K<sub>1</sub>” the following list and item:

“Vitamin K<sub>2</sub>

Menaquinone”;

(xviii) by substituting for the items under the list of “Zinc (Zn)” the following items:

“Zinc acetate

Zinc carbonate

Zinc chloride

Zinc gluconate

Zinc lactate

Zinc oxide

Zinc sulphate”;

(b) by substituting for paragraph 2 the following paragraph:

“2. *Amino acids*

Essential amino acids

L-iso-leucine

L-iso-leucine hydrochloride

L-leucine

L-leucine hydrochloride

L-lysine

L-lysine L-aspartate

L-lysine L-glutamate dihydrate

L-lysine monohydrochloride

N-lysine acetate

L-methionine

L-phenylalanine, D-phenylalanine, DL-phenylalanine

Taurine

Theronine

L-theronine

L-tryptophan

L-valine

N-Acetyl-L-methionine

Non-essential amino acids

N-Acetyl-L-cysteine

Alanine

L-alanine

L-arginine

L-arginine hydrochloride  
L-arginine-L-aspartate  
Asparagine  
L-aspartic acid  
L-carnitine  
L-carnitine hydrochloride  
L-carnitine tartrate  
L-citrulline  
L-cysteine  
L-cysteine hydrochloride  
L-cystine  
L-cystine dihydrochloride  
L-glutamine  
Calcium L-glutamate  
L-glutamic acid  
Potassium L-glutamate  
Glycine  
L-histidine  
L-histidine hydrochloride  
Magnesium L-aspartate  
L-ornithine  
L-ornithine monohydrochloride  
Proline  
L-proline  
Serine  
L-serine  
L-tyrosine”;

(c) in paragraph 3, in the list of “*Fatty acids*”, by inserting after the item “Arachidonic acid” the following items:

“Beta palmitin  
Bovine Sphingolipid  
Bovine Sphingomyelin  
Ganglioside (only permitted in milk and dairy product)”;

(d) by substituting for paragraph 5 the following paragraph:

“5. *Other food components*

D-ribose  
Calcium 3-hydroxy-3-methylbutyrate monohydrate (CaHMB)/hydroxy methylbutyrate (HMB) (only permitted in formula dietary food)  
*Epigallocatechin gallate* (EGCG)  
Isomaltulose (except in infant formula)  
Lactotripeptide (which consists of L-valine-L-proline-L-proline (VPP) and L-isoleucine-L-proline-L-proline (IPP) with proportion of VPP:IPP between 0.56 to 1.77 (addition is only permitted for fruit juice, vegetable juice and milk product except for infant formula, follow-up formula and formulated milk powder for children))  
Mixture containing 50 per cent (weight over weight) galactooligosaccharide (GOS) and 50 per cent (weight over weight) polydextrose (PDX)  
Sialic acid (from milk)  
Plant sterols or plant stanols or phytosterols or phytostanols (comprising mainly of sitosterol, campesterol, stigmasterol and other related plant stanol)  
Plant sterol esters (comprising mainly of campesterol ester, stigmasterol ester and beta-sitosterol ester)

Soy protein  
Sucromalt (only permitted in formula dietary food)  
Beta glucan from yeast  
Bovine lactoferrin”; and

(e) by inserting after paragraph 5 the following new paragraph:

“6. *Dietary fibre*

Acacia gum /gum arabic (only from *Acacia senegal* and *Acacia seyal*)

Galacto-oligosaccharide (GOS)

High amylose maize resistant starch (HAMRS) (not permitted in infant formula and follow-up formula)

Inulin

Beta glucan from oat soluble fibre

Beta glucan from barley

Oligofructose/fructo-oligosaccharide

Oligosaccharide mixture containing 90 per cent (weight per weight) of oligogalactosyl-lactose (galacto-oligosaccharides (GOS)) and 10 per cent (weight per weight) oligo-fructosyl saccharose (long chain fructo-oligosaccharide (lcFOS)

Polydextrose

Resistant dextrin/resistant maltodextrin (not permitted in infant formula and follow-up formula)”.

Made 24 March 2017

[KKM. 600-1/1/35; PN(PU2)418/XXIV]

DATUK SERI DR. S. SUBRAMANIAM  
*Minister of Health*