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## No. S 59

### SALE OF FOOD ACT (CHAPTER 283)

#### FOOD (AMENDMENT) REGULATIONS 2019

In exercise of the powers conferred by section 56(1) of the Sale of Food Act, the Minister for National Development makes the following Regulations:

#### **Citation and commencement**

1. These Regulations are the Food (Amendment) Regulations 2019 and come into operation on 1 February 2019.

#### **Amendment of regulation 9A**

2. Regulation 9A of the Food Regulations (Rg 1) is amended —
- (a) by inserting, immediately after the word “beta-glucan” in paragraph (3), the words “or oat beta-glucan”;
  - (b) by deleting the word “beta-glucans” in paragraph (3) and substituting the words “beta-glucans/Oat beta-glucans”;
  - (c) by inserting, immediately after the words “barley beta-glucans” in paragraph (4)(b)(i), the words “or oat beta-glucans (as the case may be)”; and
  - (d) by inserting, immediately after the words “barley beta-glucan” in paragraph (4)(b)(ii), the words “or oat beta-glucan (as the case may be)”.

#### **Amendment of regulation 16A**

3. Regulation 16A(3) of the Food Regulations is amended —
- (a) by deleting the word “and” at the end of sub-paragraph (c);  
and

(b) by deleting the full-stop at the end of sub-paragraph (d) and substituting a semi-colon, and by inserting immediately thereafter the following sub-paragraphs:

“(e) lactobacillus milk drinks or cultured milk drinks;

(f) flavoured milk;

(g) ready-to-drink coffee;

(h) ready-to-drink tea.”.

### **Amendment of regulation 18**

4. Regulation 18 of the Food Regulations is amended by inserting, immediately after paragraph (3A), the following paragraph:

“(3B) Monk fruit extract may be added to any food in accordance with good manufacturing practice for food additives as described in section 3.3 of the preamble of the Codex General Standard for Food Additives (CODEX STAN 192-1995), if the monk fruit extract contains —

(a) mogroside V of not less than 20% (w/w) and not more than 90% (w/w);

(b) not more than 1 mg/kg lead;

(c) not more than 1 mg/kg arsenic;

(d) not more than 5% (w/w) ash; and

(e) not more than 6% (w/w) moisture.”.

### **Amendment of regulation 19**

5. Regulation 19(2) of the Food Regulations is amended —

(a) by deleting the words “or tartaric acid” in sub-paragraph (a)(iii) and substituting the words “tartaric acid, or propionic acid”;

(b) by deleting sub-paragraph (v) of sub-paragraph (b);

(c) by deleting “6” in sub-paragraph (b)(vi) and substituting “5”; and

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(d) by deleting “7” in sub-paragraph (b)(vii) and substituting “6”.

### **Amendment of regulation 22**

6. Regulation 22(2) of the Food Regulations is amended by inserting, immediately after the word “namely,”, the word “1,3-propanediol,”.

### **Amendment of regulation 31**

7. Regulation 31 of the Food Regulations is amended —

(a) by deleting the words “, lead and copper” in paragraph (1) and in the regulation heading and substituting in each case the words “and lead”; and

(b) by inserting, immediately after paragraph (2A), the following paragraph:

“(2B) A person must not import, sell, advertise, manufacture, consign or deliver any husked rice containing inorganic arsenic in excess of 0.35 ppm.”.

### **Amendment of regulation 32**

8. Regulation 32(3) of the Food Regulations is amended by inserting, immediately after the word “products,”, the words “liquid egg analogues,”.

### **Amendment of regulation 36**

9. Regulation 36(3) of the Food Regulations is amended by deleting the words “, and which shall be marked with the word “SEALED” on the shell” in sub-paragraph (f).

### **Amendment of regulation 63**

10. Regulation 63(2) of the Food Regulations is amended by deleting the words “and may contain formaldehyde incidentally absorbed in the processing in proportion not exceeding 5 ppm”.

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**Amendment of regulation 67**

11. Regulation 67 of the Food Regulations is amended by deleting paragraph (2).

**Amendment of regulation 74**

12. Regulation 74 of the Food Regulations is amended by deleting the words “and may contain formaldehyde incidentally absorbed in processing in proportion not exceeding 5 ppm”.

**Amendment of regulation 78**

13. Regulation 78 of the Food Regulations is amended by inserting, immediately after paragraph (2), the following paragraph:

“(2A) Edible fats and oils must not contain copper in excess of —

- (a) 0.1 ppm in the case of refined fats and oils;
- (b) 0.4 ppm in the case of virgin or cold-pressed fats and oils; and
- (c) 0.4 ppm in the case of lard, rendered pork fat, premier jus (oleo stock) and dripping (edible tallow).”.

**Amendment of Third Schedule**

14. The Third Schedule to the Food Regulations is amended by deleting the full-stop at the end of item (g) of the table in paragraph 1, and by inserting immediately thereafter the following item:

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
“(h) Breakfast cereals	Butylated hydroxyanisole (B.H.A.)	200 (on a fat or oil basis)
	or	
	Butylated hydroxytoluene (B.H.T.)	100 (on a fat or oil basis)”.

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**Amendment of Part I of Fourth Schedule**

15. Part I of the Fourth Schedule to the Food Regulations is amended —

- (a) by deleting column 5 (relating to “Propionic acid”) and its corresponding entries;
- (b) by renumbering column 6 as column 5;
- (c) by renumbering column 7 as column 6;
- (d) by deleting the item “Christmas pudding”;
- (e) by inserting, immediately below the item “Crustaceans, uncooked”, the following item and its corresponding entries in the appropriate columns as shown:

“

	1	2	3	4	5	6
Custard fillings and toppings (egg-based)		1,000		1,000		

”; and

- (f) by inserting, immediately below the item “Fat spread”, the following item and its corresponding entries in the appropriate columns as shown:

“

	1	2	3	4	5	6
Fillings and toppings based on fat emulsion		1,000		1,000		

”.

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**Amendment of Part II of Fifth Schedule**

16. Part II of the Fifth Schedule to the Food Regulations is amended by deleting the words “and lycopene” in paragraph 2(a) and substituting the words “, lycopene and paprika extract”.

**Amendment of Sixth Schedule**

17. The Sixth Schedule to the Food Regulations is amended —

- (a) by deleting the words “and calcium” in the item “Caseinate, sodium and calcium” and substituting the words “, calcium and potassium”;
- (b) by inserting, immediately after the word “sodium;” in the item “Cellulose, methyl, ethyl, methyl ethyl, hydroxy propyl and hydroxy propyl methyl derivatives of; carboxy methyl cellulose; croscarmellose sodium”, the words “enzymatically hydrolysed sodium carboxymethyl cellulose (cellulose gum, enzymatically hydrolysed);”;
- (c) by inserting, immediately after the item “Dioctyl sodium sulphosuccinate;”, the following item:

“Ethyl hydroxyethyl cellulose;”; and
- (d) by deleting the full-stop at the end of the item “Sorbitan monostearate; sorbitan tristearate; sorbitan mono-palmitate; sorbitan monolaurate; sorbitan mono-oleate” and substituting a semi-colon, and by inserting immediately thereafter the following item:

“Tamarind seed polysaccharide.”.

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**Deletion and substitution of Part III of Seventh Schedule**

**18.** Part III of the Seventh Schedule to the Food Regulations is deleted and the following Part substituted therefor:

“PART III: AMINO ACIDS

L-Isoleucine  
L-Isoleucine monohydrochloride  
L-Leucine  
L-Leucine monohydrochloride  
L-Lysine  
L-Lysine monohydrochloride  
L-Lysine acetate  
L-Methionine  
L-Phenylalanine  
L-Threonine  
L-Tryptophan  
L-Valine”.

**Amendment of Eighth Schedule**

**19.** The Eighth Schedule to the Food Regulations is amended —

(a) by inserting, immediately after the item “Citric acid” in Part 1, the following items:

“Cyclotetraglucose;  
Cyclotetraglucose syrup;”;

(b) by inserting, immediately after the item “Magnesium hydroxide” in Part 1, the following item:

“Magnesium hydroxide carbonate;”;

(c) by inserting, immediately after the item “Polyethylene glycol” in Part 1, the following item:

“Polyvinylpyrrolidone, insoluble (polyvinylpolypyrrolidone);”;

(d) by inserting, immediately after the item “Sodium citrate” in Part 1, the following item:

“Sodium fumarate;”;

(e) by inserting, immediately after the item “Trehalose” in Part 1, the following item:

“Triammonium citrate;”;

(f) by deleting the item “Alpha-acetolactate decarboxylase” and its corresponding entries under heading (C) of Part 2 and substituting the following item and its corresponding entries in the appropriate columns as shown:

Enzyme	EC Number	Production organism	Donor organism	Donor gene
“Alpha-acetolactate decarboxylase	4.1.1.5	<i>Bacillus amyloliquefaciens</i>		
		<i>Bacillus licheniformis</i>	<i>Bacillus brevis</i>	Alpha-acetolactate decarboxylase
		<i>Bacillus subtilis</i>		
		<i>Bacillus subtilis</i>	<i>Bacillus brevis</i>	Alpha-acetolactate decarboxylase”;

(g) by inserting, immediately below the item “Amylomaltase” under heading (C) of Part 2, the following item and its corresponding entries in the appropriate columns as shown:

Enzyme	EC Number	Production organism	Donor organism	Donor gene
“Aqualysin 1	3.4.21.111	<i>Bacillus subtilis</i>	<i>Thermus aquaticus</i>	Aqualysin 1”;

- (h) by deleting the item “Beta-amylase” and its corresponding entries under heading (C) of Part 2 and substituting the following item and its corresponding entries in the appropriate columns as shown:

Enzyme	EC Number	Production organism	Donor organism	Donor gene
“Beta-amylase	3.2.1.2	<i>Bacillus amyloliquefaciens</i>		
		<i>Bacillus licheniformis</i>	<i>Bacillus flexus</i>	Beta-amylase
		<i>Bacillus subtilis</i>		

- (i) by deleting the item “Beta-galactosidase (or lactase)” and its corresponding entries under heading (C) of Part 2 and substituting the following item and its corresponding entries in the appropriate columns as shown:

Enzyme	EC Number	Production organism	Donor organism	Donor gene
“Beta-galactosidase (or lactase)	3.2.1.23	<i>Aspergillus niger</i> <sup>1</sup>		
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Aspergillus oryzae</i>	Beta-galactosidase (or lactase)
		<i>Aspergillus oryzae</i>		
		<i>Bacillus circulans</i> ATCC 31382		
		<i>Bacillus licheniformis</i>	<i>Bifidobacterium bifidum</i>	Beta-galactosidase (or lactase)
		<i>Bacillus subtilis</i>	<i>Bifidobacterium bifidum</i>	Beta-galactosidase (or lactase)
		<i>Kluyveromyces lactis</i> <sup>4</sup>		
		<i>Kluyveromyces marxianus</i> <sup>5</sup>		
		<i>Saccharomyces sp.</i>		

(j) by deleting the items “Endo-1,4-beta-xylanase” and “Glucoamylase (or amyloglucosidase) and their corresponding entries under heading (C) of Part 2 and substituting the following items and their corresponding entries in the appropriate columns as shown:

Enzyme	EC Number	Production organism	Donor organism	Donor gene
“Endo-1,4-beta-xylanase	3.2.1.8	<i>Aspergillus niger</i> <sup>1</sup>		
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Aspergillus niger</i> <sup>1</sup>	Endo-1,4-beta-xylanase
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Rasamsonia emersonii</i> <sup>6</sup>	Endo-1,4-beta-xylanase
		<i>Aspergillus oryzae</i>		
		<i>Aspergillus oryzae</i>	<i>Aspergillus aculeatus</i>	Endo-1,4-beta-xylanase
		<i>Aspergillus oryzae</i>	<i>Humicola lanuginosa</i> <sup>10</sup>	Endo-1,4-beta-xylanase
		<i>Bacillus amyloliquefaciens</i>		
		<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i>	Endo-1,4-beta-xylanase
		<i>Bacillus subtilis</i>		
		<i>Bacillus subtilis</i>	<i>Bacillus subtilis</i>	Endo-1,4-beta-xylanase
		<i>Bacillus subtilis</i>	<i>Pseudoalteromonas haloplanktis</i>	Endo-1,4-beta-xylanase
		<i>Disporotrichum dimorphosporum</i>		
		<i>Humicola insolens</i>		
		<i>Rasamsonia emersonii</i> <sup>6</sup>		
		<i>Trichoderma longibrachiatum</i> <sup>3</sup>		
		<i>Trichoderma longibrachiatum</i> <sup>3</sup>	<i>Aspergillus niger</i> <sup>1</sup>	Endo-1,4-beta-xylanase
		<i>Trichoderma longibrachiatum</i> <sup>3</sup>	<i>Aspergillus tubingensis</i>	Endo-1,4-beta-xylanase
<i>Trichoderma longibrachiatum</i> <sup>3</sup>	<i>Thermopolyspora flexuosa</i> <sup>11</sup>	Endo-1,4-beta-xylanase		

Enzyme	EC Number	Production organism	Donor organism	Donor gene
Glucoamylase (or amyloglucosidase)	3.2.1.3	<i>Aspergillus niger</i> <sup>1</sup>		
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Aspergillus niger</i> <sup>1</sup>	Glucoamylase (or amyloglucosidase)
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Gloeophyllum trabeum</i>	Glucoamylase (or amyloglucosidase)
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Penicillium oxalicum</i>	Glucoamylase (or amyloglucosidase)
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Talaromyces emersonii</i>	Glucoamylase (or amyloglucosidase)
		<i>Aspergillus niger</i> <sup>1</sup>	<i>Trametes cingulata</i>	Glucoamylase (or amyloglucosidase)
		<i>Aspergillus oryzae</i>		
		<i>Rhizopus delemar</i>		
		<i>Rhizopus niveus</i>		
		<i>Rhizopus oryzae</i>		
		<i>Trichoderma longibrachiatum</i> <sup>3</sup>	<i>Trichoderma longibrachiatum</i> <sup>3</sup>	Glucoamylase (or amyloglucosidase)

- (k) by inserting, immediately below the item “Peroxidase” under heading (C) of Part 2, the following item and its corresponding entries in the appropriate columns as shown:

Enzyme	EC Number	Production organism	Donor organism	Donor gene
Phosphatidylinositol phospholipase C	3.1.4.11	<i>Pseudomonas fluorescens</i>	<i>Isolated from soil</i>	Phosphatidylinositol phospholipase C

”; and

- (l) by inserting, immediately after the words “oryzin (EC 3.4.21.63)” in footnote 17 under heading (C) of Part 2, the words “and subtilisin (EC 3.4.21.62)”.

### Amendment of Tenth Schedule

20. The Tenth Schedule to the Food Regulations is amended —
- (a) by deleting the words “, LEAD AND COPPER” in the Schedule heading and substituting the words “AND LEAD”;
  - (b) by deleting the words “, third and fourth” in the first paragraph and substituting the words “and third”; and
  - (c) by deleting the column relating to “*Copper (Cu)*” and its corresponding entries.

### Amendment of Thirteenth Schedule

21. The Thirteenth Schedule to the Food Regulations is amended —
- (a) by inserting, corresponding to the item “Dairy-based desserts and dessert mixes”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Dairy-based desserts and dessert mixes					330	

”;

- (b) by inserting, corresponding to the item “Fat-based desserts and dessert mixes, excluding dairy-based dessert products”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Fat-based desserts and dessert mixes, excluding dairy-based dessert products					330	

”;

- (c) by inserting, corresponding to the item “Fruit-based desserts and dessert mixes, including fruit-flavoured water-based desserts”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Fruit-based desserts and dessert mixes, including fruit-flavoured water-based desserts					350	

”;

- (d) by inserting, corresponding to the item “Cereal-based and starch-based desserts and dessert mixes”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Cereal-based and starch-based desserts and dessert mixes					165	

”;

- (e) by inserting, corresponding to the item “Egg-based desserts and dessert mixes”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Egg-based desserts and dessert mixes					330	

”;

- (f) by inserting, corresponding to the item “Edible ices (including sherbet and sorbet)”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Edible ices (including sherbet and sorbet)					270	

”;

- (g) by inserting, corresponding to the item “Candied fruit”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Candied fruit					40	

”;

- (h) by inserting, corresponding to the item “Vegetables and seaweeds in vinegar, oil, brine, or soybean sauce”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Vegetables and seaweeds in vinegar, oil, brine, or soybean sauce					330	

”;

- (i) by inserting, corresponding to the item “Canned or bottled (pasteurised) fruit”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Canned or bottled (pasteurised) fruit					330	

”;

- (j) by inserting, corresponding to the item “Fruit preparations (including pulp, purees and fruit toppings)”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Fruit preparations (including pulp, purees and fruit toppings)					330	

”;

- (k) by inserting, corresponding to the item “Fermented fruit products”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Fermented fruit products					115	

”;

- (l) by inserting, corresponding to the item “Fruit fillings for pastries”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Fruit fillings for pastries					330	

”;

- (m) by inserting, corresponding to the item “Canned or bottled (pasteurised) or retort pouch vegetables and seaweeds”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Canned or bottled (pasteurised) or retort pouch vegetables and seaweeds					70	

”;

- (n) by inserting, corresponding to the item “Fermented vegetable and seaweed products, excluding fermented soybean products”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Fermented vegetable and seaweed products, excluding fermented soybean products					200	

”;

- (o) by inserting, corresponding to the item “Jams, jellies and marmalades”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Jams, jellies and marmalades					360	

”;

- (p) by inserting, corresponding to the item “Fruit-based spreads, excluding jams, jellies and marmalades”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Fruit-based spreads, excluding jams, jellies and marmalades					330	

”;

- (q) by inserting, corresponding to the item “Decorations, toppings (non-fruit) and sweet sauces”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Decorations, toppings (non-fruit) and sweet sauces					330	

”;

- (r) by inserting, corresponding to the item “Drinks consisting of a mixture of a non-alcoholic drink and beer, cider, perry, spirits or wine”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Drinks consisting of a mixture of a non-alcoholic drink and beer, cider, perry, spirits or wine					200	

”; and

(s) by inserting, corresponding to the item “Snacks: ready-to-eat, prepacked, dry, savoury starch products and coated nuts”, the following entry in the appropriate column as shown:

“

	1	2	3	4	5	6
Snacks: ready-to-eat, prepacked, dry, savory starch products and coated nuts					170	

”.

*[G.N. Nos. S 515/2006; S 195/2011; S 175/2012;  
S 444/2012; S 493/2013; S 816/2014; S 49/2016;  
S 152/2017; S 302/2017; S 146/2018]*

Made on 29 January 2019.

**OW FOONG PHENG**  
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(To be presented to Parliament under section 56(4) of the Sale of Food Act).