

## **NORMATIVE INSTRUCTION – IN NO. 88 OF 26 MARCH 2021**

Establishes the maximum tolerated limits (MTLs) of contaminants in foods.

The Collegiate Board of Directors of the Brazilian Health Regulatory Agency, in the use of the attributions vested in it under Article 15, items III and IV, and Article 7, items III and IV of Law no. 9,782 of 26 January 1999, and item VII, paragraphs 1 and 3 of Article 53 of the Internal Regulation approved by Collegiate Board Resolution – RDC no. 255 of 10 December 2018, adopts the following Normative Instruction, as decided upon in a meeting held on 25 March 2021, and I, Director-President, determine its publication.

Article 1. This Normative Instruction establishes the maximum tolerated limits (MTLs) of contaminants in foods.

Article 2. In a complementary way, this Normative Instruction applies to Collegiate Board Resolution – RDC no. 487 of 26 March 2021.

Article 3. MTLs of metals in foods are defined in Annex I.

Sole paragraph. MTLs of chromium and copper do not apply to the foods listed that are added with such nutrients, in compliance with the provisions in Administrative Rule SVS/MS no. 31 of 13 January 1998 and in Collegiate Board Resolution – RDC no. 243 of 26 July 2018.

Article 4. MTLs of mycotoxins in foods are defined in Annex II.

Article 5. MTLs of other contaminants are defined in Annex III.

Sole paragraph. For the contaminants polychlorinated dibenzo-para-dioxins (PCDD), polychlorinated dibenzofurans (PCDF), and polychlorinated biphenyls (PCB), the MTLs are applicable to the sum of PCDD and PCDF and to the sum of PCDD, PCDF, and PCB, considering the toxic equivalence factors established by the World Health Organization (WHO).

Article 6. For liquid products, except wine, the contaminant MTLs established must be applied as follows:

I – when the product's density does not vary above 5% in relation to water density, the MTLs shall be considered equivalent to milligram per liter (mg/L); and

II – in the other cases, a correction factor must be applied, due to the product's density.

Article 7. This Normative Instruction comes into force on 3 May 2021.

Sole paragraph. An adequacy period of 12 months is hereby established, counting from the date this Normative Instruction comes into force, for the following:

I – MTLs established for cocoa beans, alcoholic beverages, peeled coffee beans, nuts, jams or fruit jams in syrup, agricultural cultures where copper-based pesticides have been authorized, except cocoa and coffee, milk caramel, marmalade or fruit paste, anhydrous milk fat, casein products, medium and low humidity cheeses, and salt for human consumption in item 1.4 of Annex I;

II – MTLs established in item 1.5 of Annex I; and

III – MTLs established in item 3.2 of Annex III.

**ANTONIO BARRA TORRES**

**Director-President**

**ANEXO I – MAXIMUM TOLERATED LIMITS OF METALS**

<b>1.1 Total arsenic</b>		
<b>Foods or food categories</b>	<b>MTL (mg/kg)</b>	<b>Notes</b>
Sugars	0.10	
Cereal-based foods for child nutrition (infants and young children)	0.15	MTL for inorganic arsenic.
Transition foods for infants and young children	0.15	MTL for inorganic arsenic.
Rice and derived products, except oil	0.30	
Table olives	0.30	
Candies, caramels, and similar products, including chewing gums	0.10	
Fermented and fermented-distilled alcoholic beverages, except wine	0.10	
Non-alcoholic beverages, except fruit juices and nectars	0.05	
Ground or granulated soluble coffee	0.50	
Roasted coffee, either ground or in beans	0.20	
Meat from bovine, ovine, porcine, caprine animals and poultry, raw, frozen, or refrigerated derived products, sausage products, and raw breaded products	0.50	
Nuts, including walnuts, pistachios, hazelnuts, macadamias, and almonds	0.80	
Cereals, cereal products, and cereal-based products, except wheat, rice and derived products, and oils	0.30	
Tea, yerba mate, and other vegetable species for the preparation of teas	0.60	
Chocolates and cocoa-based products with more than 40% cocoa	0.40	
Chocolates and cocoa-based products with less	0.20	

than 40% cocoa		
Mushrooms of genus Agaricus, Pleurotus, and Lentinula, or Lentinus	0.30	
Mushrooms, except genus Agaricus, Pleurotus, and Lentinula, or Lentinus  This category includes the following genera:  a) Cultivated fungi: Agrocybe, Grifola, Polyporus, Flammulina, Volvariella, Stropharia, Hericium, Tremella, Auricularia, Hipsizygyus.  b) Wild fungi: Cantharellus, Tuber, Morchella, Boletus, Lactarius, Lepista, Gymnopilus, Russula, Cyttaria, Auricularia.  - Others.	0.10	
Jams, jellies, marmalades, and other fruit and vegetable sweets	0.30	
Tomato concentrates	0.50	
Cream	0.10	
Crustaceans	1.00	In the case of lobster and big crustaceans, product without head or thorax.
Liver from bovine, ovine, porcine, caprine animals and poultry	1.00	
Pediatric formula for enteral nutrition	0.02	MTL for inorganic arsenic. In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Formulas of nutrients presented or indicated for high-risk newborns	0.02	MTL for inorganic arsenic. In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant follow-up formulas for infants and young children	0.02	MTL for inorganic arsenic. In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant formulas intended for specific dietary therapy needs	0.02	MTL for inorganic arsenic. In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant formulas	0.02	MTL for inorganic arsenic. In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.

Fresh small berries	0.30	After washing.
Fresh fruits, except small berries	0.30	After washing.
Ice intended for human consumption	0.01	
<p>Young stems and petioles</p> <p>This category includes the following genera:</p> <ul style="list-style-type: none"> <li>- Artichoke, <i>Cynara scolymus</i> L.</li> <li>- Celery, <i>Apium graveolens</i> L.</li> <li>- Bamboo shoot, <i>Bambusa vulgaris</i> Schrad. ex J.C. Wendl.</li> <li>- Cardoon, <i>Cynara cardunculus</i> L.</li> <li>- Asparagus, <i>Asparagus officinalis</i> L.</li> <li>- Fennel, <i>Foeniculum vulgare</i> Mill</li> <li>- Palm hearts, <i>Euterpa oleracea</i> Mart, <i>Cocos nucifera</i> L., <i>Bactris gasipaes</i> Kunth, <i>Daemonorops</i> spp.</li> <li>- Leek, <i>Allium porrum</i> L.</li> <li>- Rhubarb, <i>Rheum rhabarbarum</i> L.</li> <li>- Others.</li> </ul>	0.20	After washing.
Vegetables of genus Brassica, except loose leaves	0.30	After washing.
<p>This category includes the following species:</p> <p>a) Inflorescences:</p> <p>Cauliflower, <i>Brassica oleracea</i> L. subvar. <i>cauliflora</i> (Garsault) DC</p> <p>Broccoli (Green or violet seeds)</p> <ul style="list-style-type: none"> <li>- Italian (or branched), <i>Brassica oleracea</i> var. <i>italica</i> Plenck.</li> <li>- French or headed, <i>Brassica oleracea</i> L. subvar. <i>cymosa</i> Duchesne</li> <li>- Turnip, <i>Brassica napus</i> L.</li> <li>- Others.</li> </ul> <p>b) Cabbage or cabbage-like leaves</p> <ul style="list-style-type: none"> <li>- Savoy cabbage, <i>Brassica oleracea</i> L. var. <i>sabauda</i> L.</li> <li>- Brussels sprout, <i>Brassica oleracea</i> L. var. <i>gemmifera</i> (DC.) Zenker.</li> <li>- Chinese cabbage – <i>Brassica rapa</i> L. var. <i>glabra</i> Regel.</li> <li>- Others.</li> </ul> <p>c) Fleshy stalk</p> <ul style="list-style-type: none"> <li>- kohlrabi, white or violet stalk of <i>Brassica oleracea</i> L. var. <i>gongyloides</i> L.</li> </ul>		
Leaf vegetables, including loose leaf Brassicas, and fresh aromatic herbs	0.30	After washing.

<p>This category includes the following species:</p> <p>a) Lettuce and other leaves, including Brassicacea and leaves.</p> <ul style="list-style-type: none"> <li>- Sorrel, <i>Rumex acetosa</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Chicory, <i>Cichorium intybus</i> L.</li> <li>- Amaranth, <i>Amaranthus caudatus</i> L., <i>Amaranthus hybridus</i> L. subsp. <i>cruentus</i> (L.) Thell., <i>Amaranthus hybridus</i> L. subsp. <i>Hybridus</i>, and <i>Amaranthus mantegazzianus</i> Pass.</li> </ul>		
<ul style="list-style-type: none"> <li>- Bittercress, <i>Barbarea verna</i> (Mill.) Asch</li> <li>- Pepperwort, <i>Lepidium sativum</i> L.</li> <li>- Lamb's lettuce, <i>Valerianella olitoria</i> (L.) Pollich.</li> <li>- Tree kale, <i>Brassica oleracea</i> L. subvar. <i>palmifolia</i> DC.</li> </ul>		
<ul style="list-style-type: none"> <li>- Dandelion, <i>Taraxacum officinale</i> F. H. Wigg</li> <li>- Endive, <i>Cichorium endivia</i> L.</li> <li>- Lettuce, <i>Lactuca sativa</i> L.</li> <li>- Lesser swine-cress, <i>Lepidium didymum</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Mustard, <i>Brassica juncea</i> (L) Czern</li> <li>- Canola, <i>Brassica napus</i> L.</li> <li>- Chinese cabbage, <i>Brassica rapa</i> L. var. <i>chinensis</i> (L.) Kitam.</li> <li>- Chicory, purple chicory, and red chicory, <i>Cichorium intybus</i> L.</li> <li>- Arugula, <i>Eruca vesicaria</i> (L.) Cav. subsp. <i>sativa</i> (Mill.) Thell.</li> </ul>		
<ul style="list-style-type: none"> <li>- Others.</li> </ul> <p>b) Spinach and similar products</p> <ul style="list-style-type: none"> <li>- Beet, <i>Beta vulgaris</i> subsp. <i>cicla</i> (L.) W. D. J. Koch</li> <li>- Spinach, <i>Spinacea oleracea</i> L.</li> <li>- Purslane, <i>Portulaca oleracea</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Others.</li> </ul> <p>c) Vine leaves</p> <ul style="list-style-type: none"> <li>- Grape, <i>Vitis vinifera</i> L.</li> </ul> <p>d) Water cress</p> <ul style="list-style-type: none"> <li>- Brown cress, <i>Rorippa nasturtium-aquaticum</i> (L.) Hayek</li> </ul>		
<p>e) Aromatic herbs</p> <ul style="list-style-type: none"> <li>- basil, <i>Ocimum basilicum</i> L.</li> <li>- spring onion, <i>Allium fistulosum</i> L. and <i>Allium schoenoprasum</i></li> <li>- Tarragon, <i>Artemisia dracunculus</i> L.</li> <li>- Bay laurel, <i>Laurus nobilis</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Oregano, <i>Origanum vulgare</i> L.</li> </ul>		

<ul style="list-style-type: none"> <li>- Parsley, <i>Petroselinum crispum</i> Mill. Fuss.</li> <li>- Rosemary, <i>Rosmarinus officinalis</i> L.</li> <li>- Sage, <i>Salvia officinalis</i> L.</li> <li>- Thyme, <i>Thymus vulgaris</i> L.</li> </ul>		
- Others.		
<p>Vegetables – Fruits with sheathed leaves</p> <p>This category includes the following species:</p> <ul style="list-style-type: none"> <li>- Garlic, <i>Allium sativum</i> L.</li> <li>- Onion, <i>Allium cepa</i> L.</li> </ul>	0.10	After washing.
<ul style="list-style-type: none"> <li>- Garden onion, <i>Allium cepa</i> L.</li> <li>- Shallot, <i>Allium esculonicum</i> L.</li> <li>- Others.</li> </ul>		
<p>Vegetables – Fruits of the family <i>Cucurbitaceae</i></p> <p>This category includes the following species:</p> <p>a) <i>Cucurbitaceae</i> of edible peel:</p> <ul style="list-style-type: none"> <li>- Squash, <i>Cucurbita pepo</i> L.</li> <li>- Chayote, <i>Sechium edule</i> (Jacq) Sw</li> </ul>	0.10	After washing.
<ul style="list-style-type: none"> <li>- Cucumber, <i>Cucumis sativus</i> L.</li> <li>- Others.</li> </ul> <p>b) <i>Cucurbitaceae</i> of non-edible peel:</p> <ul style="list-style-type: none"> <li>- Kino (African horned cucumber), <i>Cucumis metuliferus</i> E. Mey ex Naud</li> <li>- Melon, cantaloupe, <i>Cucumis melo</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Watermelon, <i>Citrullus lanatus</i> (Thunb.) Matsum &amp; Nakai</li> <li>- Pumpkin, <i>Cucurbita maxima</i> Duch, <i>Cucurbita moschata</i> Duche, <i>Cucurbita mixta</i> Pangalo.</li> <li>- Others.</li> </ul>		
<p>Vegetables – fruits different from family <i>Cucurbitaceae</i></p> <p>This category includes the following species:</p> <p>a) Solanaceae</p> <ul style="list-style-type: none"> <li>- Eggplant, <i>Solanum melongena</i> L.</li> <li>- Okra, <i>Abelmoschus esculentus</i> (L.) Moench.</li> </ul>	0.10	After washing.
<ul style="list-style-type: none"> <li>- Cayenne pepper, chili pepper, <i>Capsicum annum</i> L.</li> <li>- Tomato, <i>Lycopersicon esculentum</i> Mill.</li> <li>- Others.</li> </ul> <p>b) Corn</p>		

- Corn or Sweet corn, <i>Zea mays</i> L. var. <i>saccharata</i> (Sturtev.) L.H. Bailey - Others.		
Leguminous plants  This category includes the following species:  - Pea, <i>Pisum sativum</i> L. - Common bean, <i>Phaseolus vulgaris</i> L. - Fava bean, <i>Vicia faba</i> L.	0.10	After washing.
- Common bean, <i>Phaseolus</i> L. and <i>Vigna Savi</i> 1 – French bean, <i>Phaseolus</i> L. 2 – Butter bean, sieva bean, <i>Phaseolus lunatus</i> L.		
3 – Runner bean, <i>Phaseolus coccineus</i> L. 4 - Adzuki bean, <i>Vigna angularis</i> (Willd) Ohiwi & H. Ohashi 5 - Mungbean, <i>Vigna radiata</i> (L.) R. Wilczek. 6 - Cowpea, <i>Vigna unguiculata</i> (L.) Walp. - Others.		

Legumes (legume dry seeds), except soybean  This category includes the following species:  - Pea, <i>Pisum sativum</i> L. - Lablab, <i>Lablab purpureus</i> (L.) Sweet. - Chickpea, <i>Cicer arietinum</i> L.	0.10	
- Fava bean, <i>Vicia faba</i> L. - Lentil, <i>Lens culinaris</i> Medik. var. <i>macrocarpa</i> (Baumg.) N. F. Mattos. - White lupin, <i>Lupinus albus</i> L. (field lupin), <i>Lupinus luteus</i> L. (yellow lupin), and <i>Lupinus angustifolius</i> L. (blue lupin) - Common bean, <i>Phaseolus</i> L. and <i>Vigna Savi</i> 1 – Common bean, kidney bean, <i>Phaseolus</i> L.		
2 - Butter bean, sieva bean, <i>Phaseolus lunatus</i> L. 3 - Runner bean, <i>Phaseolus coccineus</i> L. 4 - Adzuki bean, <i>Vigna angularis</i> (Willd) Ohiwi & H. Ohashi 5 - Mungbean, <i>Vigna radiata</i> (L.) R. Wilczek.		

6 - Cowpea, <i>Vigna unguiculata</i> (L.) Walp.		
- Others.		
Condensed milk and milk caramel	0.10	
Ready-to-drink fluid milk and not-added, undiluted, and not-concentrated lacteous products	0.05	
Honey	0.30	
Edible giblets, except liver and kidneys	1.00	
Bivalve mollusks	1.00	
Cephalopod mollusks	1.00	In gutted products.
Oils and edible fats of vegetable and/or animal origin, including margarine	0.10	
Other foods especially formulated for infants and young children	0.02	MTL for inorganic arsenic. In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Eggs and egg products	0.50	
Cocoa paste	0.50	
Raw fish, either frozen or refrigerated	1.00	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.
Cheeses	0.50	
Roots and tubers	0.20	
This category includes the following genera:		
a) Potatoes - Potato, <i>Solanum tuberosum</i> L. - Andigena, <i>Solanum tuberosum</i> L. subsp. <i>andigena</i> (Juz. & Bukasov) Hawkes and other species of <i>Solanum</i> Sect. <i>Tuberarium</i> (Dunal) Bitter		
b) Tropical roots and tubers - Arrowroot, <i>Maranta arundinacea</i> L. - Sweet potato, <i>Ipomoea batatas</i> (L.) Lam. - Cassava, <i>Manihot esculenta</i> Crantz. - Chinese yam, <i>Dioscorea polystachya</i> Turcz. - Sunroot, <i>Helianthus tuberosus</i> L. - Yacon, <i>Smallanthus sonchifolius</i> (Poepp.) H. Rob.		

- Others.		
c) Other roots and tubers - Angelica, <i>Angelica archangelica</i> L.		
- Celery, <i>Apium graveolens</i> L. var. <i>rapaceum</i> D.C - Yellow nutsedge, <i>Cyperus esculentus</i> L. - Turnip, <i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb		
- Turnip, <i>Brassica rapa</i> L. - Parsnip, <i>Pastinaca sativa</i> L. - Parsley, <i>Petroselinum crispum</i> Mill. Fuss.		
- Radish, <i>Raphanus sativus</i> L. - Horseradish, <i>Armoracia rusticana</i> G. Gaertn et al. - Beet, <i>Beta vulgaris</i> L. subsp. <i>Vulgaris</i> - Swedish turnip, <i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb - Salsify, <i>Tragopogon porrifolius</i> L. (White salsify) and <i>Scorzonera hispanica</i> L. (Black salsify) - Yam, <i>Colocasia esculenta</i> (L.) Schott - Carrot, <i>Daucus carota</i> L. - Others.		
Kidneys from bovine, ovine, porcine, caprine animals.	1.00	
Salt for human consumption	0.50	
Fruit-based ice creams	0.10	
Flavored water-based ice creams	0.05	
Milk- or cream-based ice creams	0.10	
Fruit juices and nectars	0.10	
Wheat and derived products, except oil	0.20	
Wine	0.20	Expressed in mg/L
<b>1.2 Cadmium</b>		
<b>Foods or food categories</b>	<b>MTL (mg/kg)</b>	<b>Notes</b>
Cereal-based foods for child nutrition (infants and young children)	0.05	
Transition foods for infants and young children	0.10	
Rice and derived products, except oil	0.40	
Fermented and fermented-distilled	0.02	

alcoholic beverages, except wine		
Non-alcoholic beverages, except fruit juices and nectars	0.02	
Ground or granulated soluble coffee	0.20	
Roasted coffee, either ground or in beans	0.10	
Meat from bovine, ovine, porcine, caprine animals and poultry, raw, frozen, or refrigerated derived products, sausage products, and raw breaded products	0.05	
Cereals, cereal products, and cereal-based products, except wheat, rice and derived products, and oils	0.10	
Tea, yerba mate, and other vegetable species for the preparation of teas	0.40	
Chocolates and cocoa-based products with more than 40% cocoa	0.30	
Chocolates and cocoa-based products with less than 40% cocoa	0.20	
Mushroom of genus Agaricus, Pleurotus, and Lentinula, or Lentinus	0.20	
Mushrooms, except genus Agaricus, Pleurotus, and Lentinula, or Lentinus	0.05	
This category includes the following genera:  a) Cultivated fungi: Agrocybe, Grifola, Polyporus, Flammulina, Volvariella, Stropharia, Hericium, Tremella, Auricularia, Hipsizygyus.  b) Wild fungi: Cantharellus, Tuber, Morchella, Boletus, Lactarius, Lepista, Gymnopilus, Russula, Cyttaria, Auricularia.  - Others.		
Cream	0.20	
Crustaceans	0.50	In the case of lobster and big crustaceans, product without head or thorax.
Liver from bovine, ovine, porcine, caprine animals and poultry	0.50	
Pediatric formula for enteral nutrition	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when

		applicable.
Formulas of nutrients presented or indicated for high-risk newborns	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant follow-up formulas for infants and young children	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant formulas intended for specific dietary therapy needs	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant formulas	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Fresh small berries	0.05	After washing.
Fresh fruits, except small berries	0.05	After washing.
Ice intended for human consumption	0.05	
Young stems and petioles	0.10	After washing.
This category includes the following genera:		
- Artichoke, <i>Cynara scolymus</i> L.		
- Celery, <i>Apium graveolens</i> L.		
- Bamboo shoot, <i>Bambusa vulgaris</i> Schrad. ex J.C. Wendl.		
- Cardoon, <i>Cynara cardunculus</i> L.		
- Asparagus, <i>Asparagus officinalis</i> L.		
- Fennel, <i>Foeniculum vulgare</i> Mill		
- Palm hearts, <i>Euterpa oleracea</i> Mart, <i>Cocos nucifera</i> L., <i>Bactris gasipaes</i> Kunth, <i>Daemonorops</i> spp.		
- Leek, <i>Allium porrum</i> L.		
- Rhubarb, <i>Rheum rhabarbarum</i> L.		
- Others.		
Vegetables of genus Brassica, except loose leaves	0.05	After washing.
This category includes the following species:		
a) Inflorescences:		
Cauliflower, <i>Brassica oleracea</i> L. subvar. <i>cauliflora</i> (Garsault) DC		
Broccoli (Green or violet seeds)		
- Italian (or branched), <i>Brassica oleracea</i> var. <i>italica</i> Plenck.		
- French or headed, <i>Brassica oleracea</i> L. subvar. <i>cymosa</i> Duchesne		

<p>- Turnip, <i>Brassica napus</i> L. - Others.</p> <p>b) Cabbage or cabbage-like leaves - Savoy cabbage, <i>Brassica oleracea</i> L. var. <i>sabauda</i> L. - Brussels sprout, <i>Brassica oleracea</i> L. var. <i>gemmifera</i> (DC.) Zenker. - Chinese cabbage – <i>Brassica rapa</i> L. var. <i>glabra</i> Regel. - Others.</p> <p>c) Fleshy stalk - kohlrabi, white or violet stalk of <i>Brassica oleracea</i> L. var. <i>gongyloides</i> L.</p>		
<p>Leaf vegetables, including loose leaf Brassicas, and fresh aromatic herbs</p> <p>This category includes the following species:</p> <p>a) Lettuce and other leaves, including Brassicaceae and leaves. - Sorrel, <i>Rumex acetosa</i> L. - Chicory, <i>Cichorium intybus</i> L. - Amaranth, <i>Amaranthus caudatus</i> L., <i>Amaranthus hybridus</i> L. subsp. <i>cruentus</i> (L.) Thell., <i>Amaranthus hybridus</i> L. subsp. <i>Hybridus</i>, and <i>Amaranthus mantegazzianus</i> Pass. - Bittercress, <i>Barbarea verna</i> (Mill.) Asch - Pepperwort, <i>Lepidium sativum</i> L. - Lamb’s lettuce, <i>Valerianella olitoria</i> (L.) Pollich. - Tree kale, <i>Brassica oleracea</i> L. subvar. <i>palmifolia</i> DC. - Dandelion, <i>Taraxacum officinale</i> F. H. Wigg - Endive, <i>Cichorium endivia</i> L. - Lettuce, <i>Lactuca sativa</i> L. - Lesser swine-cress, <i>Lepidium didymum</i> L. - Mustard, <i>Brassica juncea</i> (L) Czern - Canola, <i>Brassica napus</i> L. - Chinese cabbage, <i>Brassica rapa</i> L. var. <i>chinensis</i> (L.) Kitam. - Chicory, purple chicory, and red chicory, <i>Cichorium intybus</i> L. - Arugula, <i>Eruca vesicaria</i> (L.) Cav. subsp. <i>sativa</i> (Mill.) Thell.</p>		

- Others.		
b) Spinach and similar products - Beet, <i>Beta vulgaris</i> subsp. <i>cicla</i> (L.) <i>W. D. J. Koch</i> - Spinach, <i>Spinacea oleracea</i> L. - Purslane, <i>Portulaca oleracea</i> L. - Others.  c) Vine leaves - Grape, <i>Vitis vinifera</i> L. d) Water cress - Brown cress, <i>Rorippa nasturtium-aquaticum</i> (L.) Hayek		
e) Aromatic herbs - basil, <i>Ocimum basilicum</i> L. - spring onion, <i>Allium fistulosum</i> L. and <i>Allium schoenoprasum</i> - Tarragon, <i>Artemisia dracunculus</i> L. - Bay laurel, <i>Laurus nobilis</i> L.		
- Oregano, <i>Origanum vulgare</i> L. - Parsley, <i>Petroselinum crispum</i> Mill. <i>Fuss.</i> - Rosemary, <i>Rosmarinus officinalis</i> L. - Sage, <i>Salvia officinalis</i> L. - Thyme, <i>Thymus vulgaris</i> L. - Others.		
Leaf vegetables, including Brassicas of loose leaves, and aromatic herbs	0.20	After washing.
Vegetables – Fruits with sheathed leaves	0.05	After washing.
This category includes the following species:  - Garlic, <i>Allium sativum</i> L. - Onion, <i>Allium cepa</i> L. - Garden onion, <i>Allium cepa</i> L. - Shallot, <i>Allium esculonicum</i> L.  - Others.		
Vegetables – Fruits of the family <i>Cucurbitaceae</i>  This category includes the following species:  a) <i>Cucurbitaceae</i> of edible peel: - Squash, <i>Cucurbita pepo</i> L. - Chayote, <i>Sechium edule</i> (Jacq) Sw  - Cucumber, <i>Cucumis sativus</i> L. - Others.	0.05	After washing.

<p>b) <i>Cucurbitaceae</i> of non-edible peel:</p> <ul style="list-style-type: none"> <li>- Kino (African horned cucumber), <i>Cucumis metuliferus</i> E. Mey ex Naud</li> <li>- Melon, cantaloupe, <i>Cucumis melo</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Watermelon, <i>Citrullus lanatus</i> (Thunb.) Matsum &amp; Nakai</li> <li>- Pumpkin, <i>Cucurbita maxima</i> Duch, <i>Cucurbita moschata</i> Duche, <i>Cucurbita mixta</i> Pangalo.</li> <li>- Others.</li> </ul>		
<p>Vegetables – fruits different from family <i>Cucurbitaceae</i></p> <p>This category includes the following species:</p> <p>a) Solanaceae</p> <ul style="list-style-type: none"> <li>- Eggplant, <i>Solanum melongena</i> L.</li> <li>- Okra, <i>Abelmoschus esculentus</i> (L.) Moench.</li> </ul>	0.05	After washing.
<ul style="list-style-type: none"> <li>- Cayenne pepper, chili pepper, <i>Capsicum annuum</i> L.</li> <li>- Tomato, <i>Lycopersicon esculentum</i> Mill.</li> <li>- Others.</li> </ul> <p>b) Corn</p> <ul style="list-style-type: none"> <li>- Corn or Sweet corn, <i>Zea mays</i> L. var. <i>saccharata</i> (Sturtev.) L.H. Bailey</li> </ul>		
<ul style="list-style-type: none"> <li>- Others.</li> </ul>		
<p>Leguminous plants</p> <p>This category includes the following species:</p> <ul style="list-style-type: none"> <li>- Pea, <i>Pisum sativum</i> L.</li> <li>- Common bean, <i>Phaseolus vulgaris</i> L.</li> <li>- Fava bean, <i>Vicia faba</i> L.</li> </ul>	0.10	After washing.
<ul style="list-style-type: none"> <li>- Common bean, <i>Phaseolus</i> L. and <i>Vigna Savi</i></li> <li>1 – French bean, <i>Phaseolus</i> L.</li> <li>2 – Butter bean, sieva bean, <i>Phaseolus lunatus</i> L.</li> <li>3 – Runner bean, <i>Phaseolus coccineus</i> L.</li> <li>4 - Adzuki bean, <i>Vigna angularis</i> (Willd) Ohiwi &amp; H. Ohashi</li> <li>5 - Mungbean, <i>Vigna radiata</i> (L.) R. Wilczek.</li> <li>6 - Cowpea, <i>Vigna unguiculata</i> (L.) Walp.</li> <li>- Others.</li> </ul>		
<p>Legumes (legume dry seeds), except soybean</p> <p>This category includes the following species:</p> <ul style="list-style-type: none"> <li>- Pea, <i>Pisum sativum</i> L.</li> <li>- Lablab, <i>Lablab purpureus</i> (L.) Sweet.</li> </ul>	0.10	

- Chickpea, <i>Cicer arietinum</i> L.		
- Fava bean, <i>Vicia faba</i> L.		
- Lentil, <i>Lens culinaris</i> Medik. var. <i>macrosperma</i> (Baumg.) N. F. Mattos.		
- White lupin, <i>Lupinus albus</i> L. (field lupin), <i>Lupinus luteus</i> L. (yellow lupin), and <i>Lupinus angustifolius</i> L. (blue lupin)		
- Common bean, <i>Phaseolus</i> L. and <i>Vigna Savi</i>		
1 – Common bean, kidney bean, <i>Phaseolus</i> L.		
2 - Butter bean, sieva bean, <i>Phaseolus lunatus</i> L.		
3 - Runner bean, <i>Phaseolus coccineus</i> L.		
4 - Adzuki bean, <i>Vigna angularis</i> (Willd) Ohiwi & H. Ohashi		
5 - Mungbean, <i>Vigna radiata</i> (L.) R. Wilczek.		
6 - Cowpea, <i>Vigna unguiculata</i> (L.) Walp.		
- Others		
Condensed milk and milk caramel	0.10	
Fluid milk and not-added, undiluted, and not-concentrated lacteous products	0.05	
Honey	0.10	
Bivalve mollusks	2.00	
Cephalopod mollusks	2.00	In gutted products.
Other foods especially formulated for infants and young children	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Other raw fish, either frozen or refrigerated	0.05	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.
Cocoa paste	0.30	
Fish: bonito, silver mojarra, eel, mullet, Inca scad, alfonsino, mackerel, sardine, tuna, and Brazilian flounder, either raw, frozen, or refrigerated	0.10	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.
Fish: swordfish and anchovy, either raw, frozen, or refrigerated	0.30	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.
Fish: frigate tuna, either raw, frozen, or refrigerated	0.20	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.

Cheeses	0.50	
Roots and tubers	0.10	
This category includes the following genera:		
a) Potatoes		
- Potato, <i>Solanum tuberosum</i> L.		
- Andigena, <i>Solanum tuberosum</i> L. subsp. <i>andigena</i> (Juz. & Bukasov) Hawkes and other species of <i>Solanum</i> Sect. <i>Tuberarium</i> (Dunal) Bitter		
b) Tropical roots and tubers		
- Arrowroot, <i>Maranta arundinacea</i> L.		
- Sweet potato, <i>Ipomoea batatas</i> (L.) Lam.		
- Cassava, <i>Manihot esculenta</i> Crantz.		
- Chinese yam, <i>Dioscorea polystachya</i> Turcz.		
- Sunroot, <i>Helianthus tuberosus</i> L.		
- Yacon, <i>Smallanthus sonchifolius</i> (Poepp.) H. Rob.		
- Others.		
c) Other roots and tubers		
- Angelica, <i>Angelica archangelica</i> L.		
- Celery, <i>Apium graveolens</i> L. var. <i>rapaceum</i> D.C		
- Yellow nutsedge, <i>Cyperus esculentus</i> L.		
- Turnip, <i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb		
- Turnip, <i>Brassica rapa</i> L.		
- Parsnip, <i>Pastinaca sativa</i> L.		
- Parsley, <i>Petroselinum crispum</i> Mill. Fuss.		
- Radish, <i>Raphanus sativus</i> L.		
- Horseradish, <i>Armoracia rusticana</i> G. Gaertn et al.		
- Beet, <i>Beta vulgaris</i> L. subsp. <i>Vulgaris</i>		
- Swedish turnip, <i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb		
- Salsify, <i>Tragopogon porrifolius</i> L. (White salsify) and <i>Scorzonera hispanica</i> L. (Black salsify)		
- Yam, <i>Colocasia esculenta</i> (L.) Schott		
- Carrot, <i>Daucus carota</i> L.		
- Others.		
Kidneys from bovine, ovine, porcine, caprine animals	1.00	
Salt for human consumption	0.50	
Canned sardines	0.25	
Soybeans	0.20	
Fruit-based ice creams	0.05	

Flavored water-based ice creams	0.01	
Milk- or cream-based ice creams	0.05	
Fruit juices and nectars	0.05	
Wheat and derived products, except oil	0.20	
Wine	0.01	Expressed in mg/L
<b>1.3 Lead</b>		
<b>Foods or food categories</b>	<b>MTL (mg/kg)</b>	<b>Notes</b>
Sugars	0.10	
Cereal-based foods for child nutrition (infants and young children)	0.05	
Transition foods for infants and young children	0.15	
Rice and derived products, except oil	0.20	
Table olives	0.50	
Candies, caramels, and similar products, including chewing gums	0.10	
Fermented and fermented-distilled alcoholic beverages, except wine	0.20	
Non-alcoholic beverages, except fruit juices and nectars	0.05	
Ground or granulated soluble coffee	1.00	
Roasted coffee, either ground or in beans	0.50	
Meat from bovine, ovine, porcine, caprine animals and poultry, raw, frozen, or refrigerated derived products, sausage products, and raw breaded products	0.10	
Nuts, including walnuts, pistachios, hazelnuts, macadamias, and almonds	0.80	
Cereals, cereal products, and cereal-based products, except wheat, rice and derived products, and oils	0.20	
Tea, yerba mate, and other vegetable species for the preparation of teas	0.60	
Chocolates and cocoa-based products with more than 40% cocoa	0.40	
Chocolates and cocoa-based products with less than 40% cocoa	0.20	
Mushrooms of genus Agaricus, Pleurotus, and Lentinula, or Lentinus	0.30	
Mushrooms, except genus Agaricus, Pleurotus, and Lentinula, or Lentinus	0.10	

<p>This category includes the following genera:</p> <p>a) Cultivated fungi: <i>Agrocybe</i>, <i>Grifola</i>, <i>Polyporus</i>, <i>Flammulina</i>, <i>Volvariella</i>, <i>Stropharia</i>, <i>Hericium</i>, <i>Tremella</i>, <i>Auricularia</i>, <i>Hipsizygyus</i>.</p> <p>b) Wild fungi: <i>Cantharellus</i>, <i>Tuber</i>, <i>Morchella</i>, <i>Boletus</i>, <i>Lactarius</i>, <i>Lepista</i>, <i>Gymnopilus</i>, <i>Russula</i>, <i>Cyttaria</i>, <i>Auricularia</i>.</p> <p>- Others.</p>		
Jams, jellies, marmalades, and other fruit and vegetable sweets	0.20	
Tomato concentrates	0.50	
Cream	0.10	
Crustaceans	0.50	In the case of lobster and big crustaceans, product without head or thorax.
Liver from bovine, ovine, porcine, caprine animals and poultry	0.50	
Pediatric formula for enteral nutrition	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Formulas of nutrients presented or indicated for high-risk newborns	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant follow-up formulas for infants and young children	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant formulas intended for specific dietary therapy needs	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Infant formulas	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Fresh small berries	0.20	After washing.
Fresh fruits, except small berries	0.10	After washing.
Ice intended for human consumption	0.01	
Young stems and petioles	0.20	After washing.
<p>This category includes the following genera:</p> <p>- Artichoke, <i>Cynara scolymus</i> L.  - Celery, <i>Apium graveolens</i> L.  - Bamboo shoot, <i>Bambusa vulgaris</i> Schrad. ex J.C. Wendl.</p>		

<ul style="list-style-type: none"> <li>- Cardoon, <i>Cynara cardunculus</i> L.</li> <li>- Asparagus, <i>Asparagus officinalis</i> L.</li> <li>- Fennel, <i>Foeniculum vulgare</i> Mill</li> <li>- Palm hearts, <i>Euterpa oleracea</i> Mart, <i>Cocos nucifera</i> L., <i>Bactris gasipaes</i> Kunth, <i>Daemonorops</i> spp.</li> <li>- Leek, <i>Allium porrum</i> L.</li> <li>- Rhubarb, <i>Rheum rhabarbarum</i> L.</li> <li>- Others.</li> </ul>		
<p>Vegetables of genus Brassica, except loose leaves</p> <p>This category includes the following species:</p> <p>a) Inflorescences:  Cauliflower, <i>Brassica oleracea</i> L. subvar. <i>cauliflora</i> (Garsault) DC  Broccoli (Green or violet seeds)  - Italian (or branched), <i>Brassica oleracea</i> var. <i>italica</i> Plenck.  - French or headed, <i>Brassica oleracea</i> L. subvar. <i>cymosa</i> Duchesne  - Turnip, <i>Brassica napus</i> L.  - Others.</p> <p>b) Cabbage or cabbage-like leaves  - Savoy cabbage, <i>Brassica oleracea</i> L. var. <i>sabauda</i> L.  - Brussels sprout, <i>Brassica oleracea</i> L. var. <i>gemmifera</i> (DC.) Zenker.  - Chinese cabbage – <i>Brassica rapa</i> L. var. <i>glabra</i> Regel.  - Others.</p> <p>c) Fleshy stalk  - kohlrabi, white or violet stalk of <i>Brassica oleracea</i> L. var. <i>gongyloides</i> L.</p>	0.30	After washing.
<p>Leaf vegetables, including loose leaf Brassicas, and fresh aromatic herbs</p> <p>This category includes the following species:</p> <p>a) Lettuce and other leaves, including Brassicaceae and leaves.  - Sorrel, <i>Rumex acetosa</i> L.</p>	0.30	After washing.
<ul style="list-style-type: none"> <li>- Chicory, <i>Cichorium intybus</i> L.</li> <li>- Amaranth, <i>Amaranthus caudatus</i> L., <i>Amaranthus hybridus</i> L. subsp. <i>cruentus</i> (L.) Thell., <i>Amaranthus hybridus</i> L. subsp. <i>Hybridus</i>, and <i>Amaranthus mantegazzianus</i> Pass.</li> </ul>		

<ul style="list-style-type: none"> <li>- Bittercress, <i>Barbarea verna</i> (Mill.) Asch</li> <li>- Pepperwort, <i>Lepidium sativum</i> L.</li> <li>- Lamb's lettuce, <i>Valerianella olitoria</i> (L.) Pollich.</li> <li>- Tree kale, <i>Brassica oleracea</i> L. subvar. <i>palmifolia</i> DC.</li> </ul>		
<ul style="list-style-type: none"> <li>- Dandelion, <i>Taraxacum officinale</i> F. H. Wigg</li> <li>- Endive, <i>Cichorium endivia</i> L.</li> <li>- Lettuce, <i>Lactuca sativa</i> L.</li> <li>- Lesser swine-cress, <i>Lepidium didymum</i> L.</li> <li>- Mustard, <i>Brassica juncea</i> (L) Czern</li> <li>- Canola, <i>Brassica napus</i> L.</li> <li>- Chinese cabbage, <i>Brassica rapa</i> L. var. <i>chinensis</i> (L.) Kitam.</li> <li>- Chicory, purple chicory, and red chicory, <i>Cichorium intybus</i> L.</li> <li>- Arugula, <i>Eruca vesicaria</i> (L.) Cav. subsp. <i>sativa</i> (Mill.) Thell.</li> </ul>		
<ul style="list-style-type: none"> <li>- Others.</li> </ul>		
<ul style="list-style-type: none"> <li>b) Spinach and similar products</li> </ul>		
<ul style="list-style-type: none"> <li>- Beet, <i>Beta vulgaris</i> subsp. <i>cicla</i> (L.) W. D. J. Koch</li> <li>- Spinach, <i>Spinacea oleracea</i> L.</li> <li>- Purslane, <i>Portulaca oleracea</i> L.</li> <li>- Others.</li> </ul>		
<ul style="list-style-type: none"> <li>c) Vine leaves</li> </ul>		
<ul style="list-style-type: none"> <li>- Grape, <i>Vitis vinifera</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>d) Water cress</li> </ul>		
<ul style="list-style-type: none"> <li>- Brown cress, <i>Rorippa nasturtium-aquaticum</i> (L.) Hayek</li> </ul>		
<ul style="list-style-type: none"> <li>e) Aromatic herbs</li> </ul>		
<ul style="list-style-type: none"> <li>- basil, <i>Ocimum basilicum</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- spring onion, <i>Allium fistulosum</i> L. and <i>Allium schoenoprasum</i></li> </ul>		
<ul style="list-style-type: none"> <li>- Tarragon, <i>Artemisia dracunculus</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Bay laurel, <i>Laurus nobilis</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Oregano, <i>Origanum vulgare</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Parsley, <i>Petroselinum crispum</i> Mill. Fuss.</li> </ul>		
<ul style="list-style-type: none"> <li>- Rosemary, <i>Rosmarinus officinalis</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Sage, <i>Salvia officinalis</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Thyme, <i>Thymus vulgaris</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Others.</li> </ul>		

Vegetables – Fruits with sheathed leaves	0.10	After washing.

<p>This category includes the following species:</p> <ul style="list-style-type: none"> <li>- Garlic, <i>Allium sativum</i> L.</li> <li>- Onion, <i>Allium cepa</i> L.</li> <li>- Garden onion, <i>Allium cepa</i> L.</li> <li>- Shallot, <i>Allium escalonicum</i> L.</li> <li>- Others.</li> </ul>		
<p>Vegetables – Fruits of the family <i>Cucurbitaceae</i></p> <p>This category includes the following species:</p> <p>a) <i>Cucurbitaceae</i> of edible peel:</p> <ul style="list-style-type: none"> <li>- Squash, <i>Cucurbita pepo</i> L.</li> <li>- Chayote, <i>Sechium edule</i> (Jacq) Sw</li> </ul>	0.10	After washing.
<ul style="list-style-type: none"> <li>- Cucumber, <i>Cucumis sativus</i> L.</li> <li>- Others.</li> </ul> <p>b) <i>Cucurbitaceae</i> of non-edible peel:</p> <ul style="list-style-type: none"> <li>- Kino (African horned cucumber), <i>Cucumis metuliferus</i> E. Mey ex Naud</li> <li>- Melon, cantaloupe, <i>Cucumis melo</i> L.</li> </ul>		
<ul style="list-style-type: none"> <li>- Watermelon, <i>Citrullus lanatus</i> (Thunb.) Matsum &amp; Nakai</li> <li>- Pumpkin, <i>Cucurbita maxima</i> Duch, <i>Cucurbita moschata</i> Duche, <i>Cucurbita mixta</i> Pangalo.</li> <li>- Outros.</li> </ul>		
<p>Vegetables – fruits different from family <i>Cucurbitaceae</i></p> <p>This category includes the following species:</p> <p>a) Solanaceae</p> <ul style="list-style-type: none"> <li>- Eggplant, <i>Solanum melongena</i> L.</li> <li>- Okra, <i>Abelmoschus esculentus</i> (L.) Moench.</li> </ul>	0.10	After washing.
<ul style="list-style-type: none"> <li>- Cayenne pepper, chili pepper, <i>Capsicum annum</i> L.</li> <li>- Tomato, <i>Lycopersicon esculentum</i> Mill.</li> <li>- Others.</li> </ul> <p>b) Corn</p> <ul style="list-style-type: none"> <li>- Corn or Sweet corn, <i>Zea mays</i> L. var. <i>saccharata</i> (Sturtev.) L.H. Bailey</li> </ul>		

- Others.		
<p>Leguminous plants</p> <p>This category includes the following species:</p> <ul style="list-style-type: none"> <li>- Pea, <i>Pisum sativum</i> L.</li> <li>- Common bean, <i>Phaseolus vulgaris</i> L.</li> <li>- Fava bean, <i>Vicia faba</i> L.</li> </ul>	0.10	After washing.
<ul style="list-style-type: none"> <li>- Common bean, <i>Phaseolus</i> L. and <i>Vigna Savi</i></li> <li>1 – French bean, <i>Phaseolus</i> L.</li> <li>2 – Butter bean, sieva bean, <i>Phaseolus lunatus</i> L.</li> <li>3 – Runner bean, <i>Phaseolus coccineus</i> L.</li> <li>4 – Adzuki bean, <i>Vigna angularis</i> (Willd) Ohiwi &amp; H. Ohashi</li> <li>5 - Mungbean, <i>Vigna radiata</i> (L.) R. Wilczek.</li> <li>6 - Cowpea, <i>Vigna unguiculata</i> (L.) Walp.</li> <li>- Others.</li> </ul>		
<p>Legumes (legume dry seeds), except soybean</p> <p>This category includes the following species:</p> <ul style="list-style-type: none"> <li>- Pea, <i>Pisum sativum</i> L.</li> <li>- Lablab, <i>Lablab purpureus</i> (L.) Sweet.</li> <li>- Chickpea, <i>Cicer arietinum</i> L.</li> </ul>	0.20	
<ul style="list-style-type: none"> <li>- Fava bean, <i>Vicia faba</i> L.</li> <li>- Lentil, <i>Lens culinaris</i> Medik. var. <i>macrosperma</i> (Baumg.) N. F. Mattos.</li> <li>- White lupin, <i>Lupinus albus</i> L. (field lupin), <i>Lupinus luteus</i> L. (yellow lupin), and <i>Lupinus angustifolius</i> L. (blue lupin)</li> <li>- Common bean, <i>Phaseolus</i> L. and <i>Vigna Savi</i></li> <li>1 – Common bean, kidney bean, <i>Phaseolus</i> L.</li> <li>2 - Butter bean, sieva bean, <i>Phaseolus lunatus</i> L.</li> <li>3 - Runner bean, <i>Phaseolus coccineus</i> L.</li> <li>4 - Adzuki bean, <i>Vigna angularis</i> (Willd) Ohiwi &amp; H. Ohashi</li> <li>5 - Mungbean, <i>Vigna radiata</i> (L.) R. Wilczek.</li> <li>6 - Cowpea, <i>Vigna unguiculata</i> (L.) Walp.</li> </ul>		

- Others.		
Condensed milk and milk caramel	0.20	
Ready-to-drink fluid milk and not-added, undiluted, and not-concentrated lacteous products	0.02	
Honey	0.30	
Edible giblets, except liver and kidneys	0.50	
Bivalve mollusks	1.50	
Cephalopod mollusks	1.00	In gutted products.
Oils and edible fats of vegetable and/ or animal origin, including margarine	0.10	
Other foods especially formulated for infants and young children	0.01	In ready-to-eat foods, according to the manufacturer's package instructions, when applicable.
Eggs and egg products	0.10	
Cocoa paste	0.50	
Raw fish, either frozen or refrigerated	0.30	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.
Cheeses	0.40	
Roots and tubers  This category includes the following genera:  a) Potatoes - Potato, <i>Solanum tuberosum</i> L.	0.10	
- Andigena, <i>Solanum tuberosum</i> L. subsp. <i>andigena</i> (Juz. & Bukasov) Hawkes and other species of <i>Solanum</i> Sect. <i>Tuberarium</i> (Dunal) Bitter  b) Tropical roots and tubers - Arrowroot, <i>Maranta arundinacea</i> L. - Sweet potato, <i>Ipomoea batatas</i> (L.) Lam.		
- Cassava, <i>Manihot esculenta</i> Crantz. - Chinese yam, <i>Dioscorea polystachya</i> Turcz. - Sunroot, <i>Helianthus tuberosus</i> L. - Yacon, <i>Smallanthus sonchifolius</i> (Poepp.) H. Rob. - Others.		

c) Other roots and tubers - Angelica, <i>Angelica archangelica</i> L. - Celery, <i>Apium graveolens</i> L. var. <i>rapaceum</i> D.C - Yellow nutsedge, <i>Cyperus esculentus</i> L. - Turnip, <i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb - Turnip, <i>Brassica rapa</i> L. - Parsnip, <i>Pastinaca sativa</i> L.		
- Parsley, <i>Petroselinum crispum</i> Mill. Fuss. - Radish, <i>Raphanus sativus</i> L. - Horseradish, <i>Armoracia rusticana</i> G. Gaertn et al.		
- Beet, <i>Beta vulgaris</i> L. subsp. <i>Vulgaris</i> - Swedish turnip, <i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb - Salsify, <i>Tragopogon porrifolius</i> L. (White salsify) and <i>Scorzonera hispanica</i> L. (Black salsify) - Yam, <i>Colocasia esculenta</i> (L.) Schott - Carrot, <i>Daucus carota</i> L. - Others.		
Kidneys from bovine, ovine, porcine, caprine animals	0.50	
Salt for human consumption	2.00	
Soybeans	0.20	
Fruit-based ice creams	0.07	
Flavored water-based ice creams	0.05	
Milk- or cream-based ice creams	0.10	
Fruit juices and nectars	0.05	
Wheat and derived products, except oil	0.20	
Wine	0.15	Expressed in mg/L
<b>1.4 Copper</b>		
<b>Foods or food categories</b>	<b>MTL (mg/kg)</b>	<b>Notes</b>
Cocoa beans	40.0	
Alcoholic beverages	5.0	
Peeled coffee beans	30.0	
Caramels, candies, and similar products	10.0	
Nuts, including walnuts, pistachios, hazelnuts, macadamias, and almonds	10.0	
Jams or fruit jams in syrup	10.0	

Agricultural cultures where copper-based pesticides have been authorized, except cocoa and coffee	10.0	
Milk caramel	10.0	
Marmalade or fruit paste	10.0	
In natura and industrialized fruits, vegetables, and oilseeds	10.0	
Ice products intended for human consumption	10.0	
Anhydrous milk fat	0.05	
Lactose	2.0	
Honey	10.0	
Virgin oils and fats, except olive oils	0.4	
Refined oils, fats, and emulsions as well as virgin and refined olive oils	0.1	
Casein products	5.0	
Medium and low humidity cheeses	10.0	
Salt for human consumption	2.0	
<b>1.5 Chromium</b>		
<b>Foods or food categories</b>	<b>MTL (mg/kg)</b>	<b>Notes</b>
Gelatin-based candies and similar products	1.0	
Gelatins and collagens	10.0	
Powder mix for gelatin desserts	1.0	
<b>1.6 Total mercury</b>		
<b>Foods or food categories</b>	<b>MTL (mg/kg)</b>	<b>Notes</b>
Crustaceans	0.50	In the case of lobster and big crustaceans, product without head or thorax.
Bivalve mollusks	0.50	
Cephalopod mollusks	0.50	In gutted products.
Predator fish	1.00	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.
Fish, except predators	0.50	In the whole product, if the product is intended for whole consumption. In the other cases, in gutted products, without head and without thorax.
<b>1.7 Tin</b>		

<b>Foods or food categories</b>	<b>MTL (mg/kg)</b>	<b>Notes</b>
Canned foods, except beverages	250	
Canned child foods	50	MTL for inorganic tin.
Canned beverages, including fruit juices and vegetable juices	150	

## ANEXO II – MAXIMUM TOLERATED LIMITS FOR MYCOTOXINS

<b>2.1 Aflatoxin M1</b>		
<b>Foods or food categories</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Powder milk	5	
Fluid milk	0.5	
Cheeses	2.5	
<b>2.2 Aflatoxin B1, B2, G1, G2</b>		
<b>Foods or food categories</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Cereal-based foods for child nutrition (infants and young children)	1	
Cocoa beans	10	
Peanuts, either peeled or not, either raw or roasted, peanut paste, or peanut butter	20	
Brazil nut in shell for direct consumption	20	
Unshelled Brazil nut for direct consumption	10	
Unshelled Brazil nut for posterior processing	15	
Nuts except Brazil nut, including walnuts, pistachios, hazelnuts, and almonds	10	
Cereal and cereal products, except corn and derived products, including malted barley	5	
Spices: <i>Capsicum spp.</i> (dry, whole, or ground fruit, including peppers, powder pepper, cayenne pepper, and sweet pepper) ; <i>Piper spp.</i> (the fruit, including white pepper and black pepper) <i>Myristica fragrans</i> (nutmeg) <i>Zingiber officinale</i> (ginger), <i>Curcuma longa</i> (turmeric). Spice mixtures that contain one or more of the spices above	20	
Beans and other legume dry seeds	5	
Infant formulas and infant follow-up formulas for infants and young children	1	In the food as offered to the consumer.
Dehydrated and dry fruits	10	
Maize, maize in whole grain, broken, smashed or ground maize, maize flours or semolina	20	

Cocoa and chocolate products	5	
<b>2.3 Deoxynivalenol (DON)</b>		
<b>Foods or food categories</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Cereal-based foods for child nutrition (infants and young children)	200	
Milled rice and derived products	750	
Wheat flour, barley grain, malted barley, pastas, crackers, grissini, other bakery products, and other cereals and cereal products, except rice products and whole wheat products	1000	
Whole wheat, wheat for kebab, whole wheat flour, and wheat bran	1250	
Wheat, maize, and barley in grains for posterior processing	2000	
<b>2.4 Fumonisin (B1 + B2)</b>		
<b>Foods or food categories</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Corn-based foods for child nutrition (infants and young children)	200	
Maize starch and other maize-based products	1000	
Maize flour, corn cream, cornmeal, corn flakes, <i>canjica</i> (similar to hominy)	1500	
Popcorn	2000	
Maize in grains for posterior processing	5000	
<b>2.5 Ochratoxin A</b>		
<b>Foods or food categories</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Cereal-based foods for child nutrition (infants and young children)	2	
Cocoa beans	10	
Roasted coffee (either ground or in beans) and soluble coffee	10	
Cereals and cereal products, including malted barley	10	
Cereals for posterior processing, including barley grains	20	
Spices: <i>Capsicum spp.</i> (dry, whole, or ground fruit, including peppers, powder pepper, cayenne pepper, and sweet pepper) ; <i>Piper spp.</i> (the fruit, including white pepper and black pepper) <i>Myristica fragrans</i> (nutmeg) <i>Zingiber officinale</i> (ginger), <i>Curcuma longa</i> (turmeric). Spice mixtures that contain one or more of the spices above	30	
Beans and other legume dry seeds	10	
Dehydrated and dry fruits	10	
Cocoa and chocolate products	5	
Grape juice and grape pulp	2	
Wine and derived products	2	Expressed in mcg/L

<b>2.6 Patulin</b>		
<b>Foods or food categories</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Apple juice and apple pulp	50	
<b>2.7 Zearalenone</b>		
<b>Foods or food categories</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Cereal-based foods for child nutrition (infants and young children)	20	
Milled rice and derived products	100	
Whole rice	400	
Rice bran	600	
Wheat flour, pastas, crackers, and bakery products, cereals and cereal products, except rice and wheat, and including malted barley.	100	
Popcorn, <i>canjica</i> (similar to hominy), maize-based products and subproducts	150	
Maize in grains and wheat for posterior processing	400	
Whole wheat, whole wheat flour, wheat bran	200	

### ANEXO III – MAXIMUM TOLERATED LIMITS FOR OTHER CONTAMINANTS

<b>3.1 Benzo(a)pyrene</b>		
<b>Food/ Food category</b>	<b>MTL (mcg/kg)</b>	<b>Notes</b>
Olive pomace oil and/ or olive stone	2.0	
<b>3.2 Dioxins (PCDD), furans (PCDF) e polychlorinated biphenyls (PCB)</b>		
<b>Food/ Food category</b>	<b>MTL (pg/g)</b>	<b>Notes</b>
Bovine meat	4.0	MTL of 4.0 pg/g for the sum of PCDD, PCDF, and PCB. MTL of 2.5 pg/g for the sum of PCDD and PCDF. MTLs applicable on fat content.
Porcine meat	1.25	MTL of 1.25 pg/g for the sum of PCDD, PCDF, and PCB. MTL of 1.0 pg/g for the sum of PCDD and PCDF. MTLs applicable on fat content.
Poultry meat	3.0	MTL of 3.0 pg/g for the sum of PCDD, PCDF, and PCB. MTL of 1.75 pg/g for the sum of PCDD and PCDF.

		MTLs applicable on fat content.
Milk	5.5	MTL of 5.5 pg/g for the sum of PCDD, PCDF, and PCB. MTL of 2.5 pg/g for the sum of PCDD and PCDF. MTLs applicable on fat content.
Fish	6.5	MTL of 6.5 pg/g for the sum of PCDD, PCDF, and PCB. MTL of 3.5 pg/g for the sum of PCDD and PCDF. Limits applicable on muscle.
Eggs	5.0	MTL of 5.0 pg/g for the sum of PCDD, PCDF, and PCB. MTL of 2.5 pg/g for the sum of PCDD and PCDF. MTLs applicable on fat content.

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