



JOINT FAO/WHO FOOD STANDARDS PROGRAMME
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PROPOSALS FOR APPLICATION OF NOTE 188 TO PROVISIONS FOR ACESULFAME POTASSIUM (INS 950) AND NOTE 191 TO PROVISIONS FOR ASPARTAME (INS 951)

Background

1. The Joint FAO/WHO Expert Committee on Food Additives (JECFA) concluded that the aspartame and acesulfame moieties in the aspartame-acesulfame salt (INS 962) are included in the acceptable daily intakes (ADIs) established for acesulfame potassium (INS 950) and for aspartame (INS 951).¹ Therefore, the equivalent level of aspartame and acesulfame potassium from the use of the aspartame-acesulfame salt should not exceed the individual maximum use level for aspartame or for acesulfame potassium.
2. The 40th Session of the Codex Committee on Food Additives (CCFA) agreed to examine the provisions for aspartame-acesulfame salt in the General Standard for Food Additives (GSFA) to ensure that the provisions are consistent with those for aspartame and for acesulfame potassium, and are reported on a consistent basis.²
3. In order to ensure that the combined use of the aspartame-acesulfame salt with aspartame or acesulfame potassium would not result in the established maximum levels being exceeded, the 41st CCFA agreed to associate:³
 - Note 113⁴ and Note 119⁵, as appropriate, with the provisions for the aspartame-acesulfame salt;
 - Note 188 (“Not to exceed the maximum use level for acesulfame potassium (INS 950) singly or in combination with aspartame-acesulfame salt (INS 962).”) with all provisions for acesulfame potassium; and
 - Note 191 (“Not to exceed the maximum use level for aspartame (INS 951) singly or in combination with aspartame-acesulfame salt (INS 962).”) with all provisions for aspartame.
4. The 44th CCFA considered the proposed draft provisions for aspartame-acesulfame salt (INS 962) in CX/FA 12/44/7, Appendix I.⁶ The Committee noted that there were inconsistencies in the application of Note 188 and Note 191 to the provisions for acesulfame potassium and aspartame, respectively.⁷ For example, it was noted that Notes 188 and 191 are relevant only in food categories that also contain provisions for the aspartame-acesulfame salt.⁸

¹ <http://www.fao.org/ag/agn/jecfa-additives/specs/Monograph1/Additive-047.pdf>.

² ALINORM 08/31/12, para. 72.

³ ALINORM 09/32/12, para. 95.

⁴ **Note 113:** Use level reported as acesulfame potassium equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.44). Combined use of aspartame-acesulfame salt with individual acesulfame potassium or aspartame should not exceed the individual maximum levels for acesulfame potassium or aspartame (the reported maximum level can be converted to aspartame equivalents by dividing by 0.68).

⁵ **Note 119:** Use level reported as aspartame equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.64). Combined use of aspartame-acesulfame salt with individual aspartame or acesulfame potassium should not exceed the individual maximum levels for aspartame or acesulfame potassium (the reported maximum level can be converted to acesulfame potassium equivalents by multiplying by 0.68).

⁶ These provisions were originally contained in CX/FA 11/43/7, Part II (Miscellaneous Additives).

⁷ REP 12/FA, para. 83.

⁸ CX/FA 12/44/7, Appendix I, para. 33, footnote 10.

5. The 44th CCFA agreed to:⁹
- Request the Delegation of the United States of America (USA) to prepare proposals to address the application of Note 188 to the provisions for acesulfame potassium and of Note 191 to the provisions for aspartame; and
 - Establish a physical Working Group, which would meet immediately prior to the 45th Session and be chaired by the USA, working in English only, to consider and prepare recommendations for the Plenary based on the proposals prepared by the USA.
6. The following section provides an analysis of the relevant GSFA provisions and identifies the issues. Proposals for addressing each issue are provided in the subsequent section.

Analysis of GSFA Provisions for Acesulfame Potassium, Aspartame, and Aspartame-Acesulfame Salt

7. The current GSFA provisions for acesulfame potassium, aspartame and aspartame-acesulfame salt are provided in Appendix 1. The review of the application of Note 188 to acesulfame potassium and Note 191 to aspartame requires that the provisions for the aspartame-acesulfame salt also be reviewed for consistency with the provisions for acesulfame potassium and aspartame, because the provisions for the use of these three sweeteners in a given food category are linked. The following issues were identified.

8. Revision of the text of Note 188 and Note 191

There are several food categories for which there is a provision only for acesulfame potassium or only for aspartame (see “Provisions for acesulfame potassium or for aspartame, but not for aspartame-acesulfame salt” (paras. 11 and 17, below)). The current text of Note 188 and Note 191 could be interpreted as allowing for the use of the aspartame-acesulfame salt in these food categories, even though there is no explicit listing for the aspartame-acesulfame salt in these food categories. Therefore, the text of Note 188 and Note 191 should be revised to clarify that acesulfame potassium and aspartame may be used *singly or in combination* with the aspartame-acesulfame salt.

9. Editorial changes

- Note 191 has been omitted from the adopted (Step 8) provisions for aspartame in the following food categories:
 - 05.2.1 (Hard candy)¹⁰
 - 05.2.2 (Soft candy)¹⁰
 - 12.7 (Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3)
 - 14.1.3.4 (Concentrates for vegetable nectar)
 - 14.1.4 (Water-based flavoured drinks, including “sport,” “energy,” or “electrolyte” drinks and particulated drinks)
- Note 188 has incorrectly been associated with the adopted (Step 8) provision for aspartame in food category 12.5 (Soups and broths).

10. Provision for aspartame-acesulfame salt only

Food category 14.2.1 (Beer and malt beverages) has a proposed draft (Step 3) provision for the aspartame-acesulfame salt only. The JECFA ADI for the aspartame-acesulfame salt depend on the individual ADIs for aspartame and acesulfame potassium. Therefore, provisions for the aspartame-acesulfame salt should only be adopted in those food categories that also have adopted provisions for both aspartame and acesulfame potassium.

⁹ REP 12/FA, paras. 134 -135. In addition, CL 2012/5-FA, Part B, Point 7 requested comments on the proposed draft provisions for the aspartame-acesulfame salt in food categories 14.1.3.1 (Fruit nectar) and 14.1.3.3 (Concentrates for fruit nectar); the compilation of comments received is provided in CX/FA 13/45/9. CL 2012/5-FA, Part B, Point 10 requested proposals for new additive provisions and/or revision of food additive provisions of the GSFA. Several proposals were received on the aspartame-acesulfame salt, and are included in CX/FA 13/45/12.

¹⁰ The association of Note 191 with the adopted (Step 8) provisions for aspartame in food categories 05.2.1(Hard candy) and 05.2.2 (Soft candy) presume that the proposal to revise the text of Note 191 (see paragraphs 8 and 14) is implemented. Additionally, the proposed draft provisions for the aspartame-acesulfame salt, discussed under “Provision for aspartame and acesulfame, but not for aspartame acesulfame salt” (paragraphs 12 and 18), could also be implemented.

11. Provisions for acesulfame potassium or for aspartame, but not for aspartame-acesulfame salt

The following food categories have proposed draft (Step 3) provisions for acesulfame potassium only:

- 06.8.1 (Soybean-based beverages)
- 12.9.1 (Fermented soybean paste (e.g., miso))

The following food categories have adopted (Step 8) provisions for aspartame only:

- 01.6.1 (Unripened cheese)
- 04.2.2.1 (Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds)
- 04.2.2.2 (Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds)
- 04.2.2.8 (Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds)

The revision of the text of Note 188 and Note 191 (see paragraph 8) adequately address the use of acesulfame potassium or aspartame alone.

However, consideration should be given as to whether there is a technological need for sweeteners in food categories 06.8.1 and 12.9.1, since these categories do not appear in the working list of food categories where the use of sweeteners is technologically justified.¹¹

12. Provision for aspartame and acesulfame potassium, but not for aspartame-acesulfame salt

The following food categories have adopted (Step 8) provisions for acesulfame potassium and for aspartame, but not for the aspartame-acesulfame salt:

- 05.1.1 (Cocoa mixes (powders) and cocoa mass/cake)
- 05.2.1 (Hard candy)
- 05.2.2 (Soft candy)
- 05.2.3 (Nougats and marzipans)
- 11.4 (Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings))
- 12.3 (Vinegars)
- 12.6 (Sauces and like products)
- 14.1.3.2 (Vegetable nectar)

Since there are provisions for both acesulfame potassium and aspartame in each of these food categories, the use of the aspartame-acesulfame salt in these categories at levels that are consistent with those for acesulfame potassium and for aspartame would be justified.

13. Provisions in different food sub-categories

Acesulfame potassium has an adopted (Step 8) provision in food category 12.2 (Herbs, spices, seasonings, and condiments (e.g., seasoning for instant noodles)), whereas aspartame and the aspartame-acesulfame salt have adopted (Step 8) and proposed draft (Step 3) provisions, respectively, in the sub-category 12.2.2 (Seasonings and condiments). The food category system is hierarchical, meaning that any provision for use in a broader food category (e.g., 12.2) applies to all of the sub-categories (i.e., 12.2.1 (Herbs and spices) and 12.2.2 (Seasonings and condiments)). The current provisions could lead to misinterpretation of the use of the aspartame-acesulfame salt.

¹¹ CX/FA 08/40/5, Part 2, Appendix I. Food categories 06.8.1(Soybean-based beverages) and 12.9.1 (Fermented soybean paste (e.g., miso)) were included in the food category system after the 40th CCFA. The working list of foods in which the use of sweeteners is technologically justified pre-dates the inclusion of food categories 06.8.1 and 12.9.1 in the food category system.

Proposals for GSFA Provisions for Acesulfame Potassium, Aspartame, and Aspartame-Acesulfame Salt

14. Revision of the text of Note 188 and Note 191

In order to clarify that acesulfame potassium and aspartame may be used singly or in combination with the aspartame-acesulfame salt, revise the text of Note 188 and Note 191 as follows:

- **Revised Note 188:** If used in combination with aspartame-acesulfame salt (INS 962) the combined maximum use level, expressed as acesulfame potassium, should not exceed this level.
- **Revised Note 191:** If used in combination with aspartame-acesulfame salt (INS 962) the combined maximum use level, expressed as aspartame, should not exceed this level.

15. Editorial changes

- Associate Note 191 with the adopted (Step 8) provisions for aspartame in the following food categories:
 - 05.2.1 (Hard candy)¹⁰
 - 05.2.2 (Soft candy)¹⁰
 - 12.7 (Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3)
 - 14.1.3.4 (Concentrates for vegetable nectar)
 - 14.1.4 (Water-based flavoured drinks, including “sport,” “energy,” or “electrolyte” drinks and particulated drinks)
- Replace Note 188 with Note 191 in the adopted (Step 8) provision for aspartame in food category 12.5 (Soups and broths).

16. Provision for aspartame-acesulfame salt only

The provision for aspartame-acesulfame salt should only be adopted in a food category that also has adopted provisions for both aspartame and acesulfame potassium. Therefore, work should be discontinued on the proposed draft (Step 3) provision for aspartame-acesulfame salt in food category 14.2.1 (Beer and malt beverages).

17. Provisions for acesulfame potassium *or* for aspartame, but not for aspartame-acesulfame salt

The revision of the text of Note 188 and Note 191 (see paragraph 8) should address the issue of the use of acesulfame potassium or aspartame alone in a food category (see paragraph 11).

- *Proposal for acesulfame potassium provisions*

The proposed draft (Step 3) provisions for food categories 06.8.1(Soybean-based beverages) and 12.9.1 (Fermented soybean paste (e.g., miso)) should be retained with the revised text of Note 191.

The CCFA may also wish to discuss whether the use of sweeteners in these food categories is technologically justified, as these food categories were not included in the food category system when the working list of food categories where the use of sweeteners is technologically justified was developed.¹¹

- *Proposal for aspartame provisions*

The adopted (Step 8) provisions for the following food categories should be retained with the revised text of Note 188:

- 01.6.1 (Unripened cheese)
- 04.2.2.1 (Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds)
- 04.2.2.2 (Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds)
- 04.2.2.8 (Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds)

18. Provision for aspartame and acesulfame potassium, but not for aspartame acesulfame salt

Since the identified food categories (see paragraph 12) have adopted (Step 8) provisions for both acesulfame potassium and aspartame, it would be appropriate to include corresponding provisions for the aspartame-acesulfame salt that are consistent with those for acesulfame potassium and for aspartame. Therefore, the following proposed draft provisions for the aspartame-acesulfame salt, should be put forward for inclusion in the GSFA:

Food Cat. No.	Food Category	Max Level (mg/kg)	Notes
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	350	Notes 97 & 113
05.2.1	Hard candy	500	Notes 113 & 156 ¹²
05.2.2	Soft candy	1000	Note 113 & 157 ¹²
05.2.3	Nougats and marzipans	1000	Note 113 ¹²
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000	Notes 113 & 159
12.3	Vinegars	2000	Note 113 ¹²
12.6	Sauces and like products	350	Note 119
14.1.3.2	Vegetable nectar	350	Note 113 ¹²

Notes:

Note 97: In the finished product/final cocoa and chocolate products.

Note 113: Use level reported as acesulfame potassium equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.44). Combined use of aspartame-acesulfame salt with individual acesulfame potassium or aspartame should not exceed the individual maximum levels for acesulfame potassium or aspartame (the reported maximum level can be converted to aspartame equivalents by dividing by 0.68).

Note 119: Use level reported as aspartame equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.64). Combined use of aspartame-acesulfame salt with individual aspartame or acesulfame potassium should not exceed the individual maximum levels for aspartame or acesulfame potassium (the reported maximum level can be converted to acesulfame potassium equivalents by multiplying by 0.68).

Note 156: For use in microsweets and breath freshening mints at 2500 mg/kg.

Note 157: For use in microsweets and breath freshening mints at 2000 mg/kg.

Note 159: For use in pancake syrup and maple syrup only.

Additionally, Note 191 should be associated with the provisions for aspartame in food categories 05.2.1 (Hard candy) and 05.2.2 (Soft candy), as discussed under "Editorial changes" (paragraphs 9 and 15).

19. Provisions in different food sub-categories

The proposed revised text of Note 188 and Note 191 (paragraph 14) clarifies that acesulfame potassium and aspartame, respectively, may be used alone or in combination with the aspartame-acesulfame salt. Therefore, the provision for acesulfame potassium in food category 12.2 (Herbs, spices, seasonings, and condiments (e.g., seasoning for instant noodles)), and the provision for aspartame and the aspartame-acesulfame salt in food category 12.2.2 (Seasonings and condiments)) would not require any action.

However, in order to improve transparency for the user of the GSFA, it is proposed to expand the provision for acesulfame potassium in food category 12.2 (Herbs, spices, seasonings, and condiments (e.g., seasoning for instant noodles)) into the corresponding sub-categories (12.2.1 (Herbs and spices) and 12.2.2 (Seasonings and condiments)). This would make it clear that acesulfame potassium may be used singly in food category (12.2.1 (Herbs and spices), and that acesulfame potassium, aspartame, and the aspartame-acesulfame salt may be used, singly or in combination, in food category 12.2.2 (Seasonings and condiments)):

¹² Although the provisions in this food category for acesulfame potassium and for aspartame have Note 161 ("Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble.") associated with them, the 44th CCFA agreed that Note 161 was no longer to be used, and suspended work on this Note (REP 12/FA, paras. 121 and 131). Therefore, Note 161 is not included in the proposal for the aspartame-acesulfame salt in the corresponding food category.

Food Cat. No.	Food Category Name	Acesulfame Potassium (INS 950)					Aspartame (INS 951)				Aspartame-Acesulfame Salt (INS 962)					
		Max Level	Notes	Step	Year	Max Level	Notes	Step	Year	Max Level	Notes	Step	Year			
12.2	Herbs, spices, seasonings, and condiments (e.g., seasoning for instant noodles)	2000	mg/kg	Notes 161 & 188	8	2008										
12.2.1	Herbs and spices	2000	mg/kg	Notes 161 & 188	8	2008										
12.2.2	Seasonings and condiments	2000	mg/kg	Notes 161 & 188	8	2008	2000	mg/kg	Notes 161 & 191	8	2008	3100	mg/kg	Note 113	3	

Notes:

Note 113: Use level reported as acesulfame potassium equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.44). Combined use of aspartame-acesulfame salt with individual acesulfame potassium or aspartame should not exceed the individual maximum levels for acesulfame potassium or aspartame (the reported maximum level can be converted to aspartame equivalents by dividing by 0.68).

Note 161: Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble.

Revised Note 188: If used in combination with aspartame-acesulfame salt (INS 962) the combined maximum use level, expressed as acesulfame potassium, should not exceed this level.

Revised Note 191: If used in combination with aspartame-acesulfame salt (INS 962) the combined maximum use level, expressed as aspartame, should not exceed this level.

Appendix 1: GSFA Provisions for Acesulfame Potassium (INS 950), Aspartame (INS 951), and Aspartame-Acesulfame Salt (INS 962)

Food Cat. No.	Food Category Name	Acesulfame Potassium (INS 950)				Aspartame (INS 951)				Aspartame-Acesulfame Salt (INS 962)						
		Max Level	Notes	Step	Year	Max Level	Notes	Step	Year	Max Level	Notes	Step	Year			
01.1.2	dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	350	mg/kg	Notes 161 & 188	8	2007	600	mg/kg	Notes 161 & 191	8	2007	350	mg/kg	Notes 113 & 161	8	2009
01.3.2	beverage whiteners	2000	mg/kg	Notes 161 & 188	8	2008	6000	mg/kg	Notes 161 & 191	8	2008	4540	mg/kg	Note 113	3	
01.4.4	cream analogues	1000	mg/kg	Notes 161 & 188	8	2008	1000	mg/kg	Notes 161 & 191	8	2008	1550	mg/kg	Note 119	3	
01.5.2	milk and cream powder analogues	1000	mg/kg	Notes 161 & 188	8	2008	2000	mg/kg	Notes 161 & 191	8	2007	3100	mg/kg	Note 119	3	
01.6.1	unripened cheese						1000	mg/kg	Notes 161 & 191	8	2008					
01.6.5	cheese analogues	350	mg/kg	Notes 161 & 188	8	2008	1000	mg/kg	Notes 161 & 191	8	2008	790	mg/kg	Note 113	3	
01.7	dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	350	mg/kg	Notes 113 & 161	8	2009
02.3	fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000	mg/kg	Notes 161 & 188	8	2008	1000	mg/kg	Notes 161 & 191	8	2008	1550	mg/kg	Note 119	3	
02.4	fat-based desserts excluding dairy-based dessert products of food category 01.7	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	350	mg/kg	Notes 113 & 161	8	2009
03.0	edible ices, including sherbet and sorbet	800	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	1550	mg/kg	Notes 119 & 161	3	
04.1.2.1	frozen fruit	500	mg/kg	Notes 161 & 188	8	2008	2000	mg/kg	Notes 161 & 191	8	2008	1130	mg/kg	Note 113	3	
04.1.2.2	dried fruit	500	mg/kg	Notes 161 & 188	8	2008	2000	mg/kg	Notes 161 & 191	8	2008	1130	mg/kg	Note 113	3	
04.1.2.3	fruit in vinegar, oil, or brine	200	mg/kg	Notes 161 & 188	8	2007	300	mg/kg	Notes 144 & 191	8	2007	450	mg/kg	Notes 113 & 144	3	
04.1.2.4	canned or bottled (pasteurized) fruit	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	350	mg/kg	Notes 113 & 161	8	2009
04.1.2.5	jams, jellies and marmelades	1000	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	1000	mg/kg	Notes 119 & 161	8	2009
04.1.2.6	fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	2270	mg/kg	Notes 113 & 138	3	
04.1.2.7	candied fruit	500	mg/kg	Notes 161 & 188	8	2007	2000	mg/kg	Notes 161 & 191	8	2007	1130	mg/kg	Note 113	3	

Food Cat. No.	Food Category Name	Acesulfame Potassium (INS 950)				Aspartame (INS 951)				Aspartame-Acesulfame Salt (INS 962)						
		Max Level	Notes	Step	Year	Max Level	Notes	Step	Year	Max Level	Notes	Step	Year			
04.1.2.8	fruit preparations, including pulp, purees, fruit toppings and coconut milk	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	350	mg/kg	Notes 113 & 161	8	2009
04.1.2.9	fruit-based desserts, including fruit-flavoured water-based desserts	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	350	mg/kg	Notes 113 & 161	8	2009
04.1.2.10	fermented fruit products	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	790	mg/kg	Note 113	3	
04.1.2.11	fruit fillings for pastries	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	790	mg/kg	Note 113	3	
04.1.2.12	cooked fruit	500	mg/kg	Notes 161 & 188	8	2008	1000	mg/kg	Notes 161 & 191	8	2007	1130	mg/kg	Note 113	3	
04.2.2.1	frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds						1000	mg/kg	Notes 161 & 191	8	2008					
04.2.2.2	dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds						1000	mg/kg	Notes 161 & 191	8	2008					
04.2.2.3	vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soybean sauce	200	mg/kg	Notes 144 & 188	8	2007	300	mg/kg	Notes 144 & 191	8	2007	200	mg/kg	Notes 113 & 161	8	2009
04.2.2.4	canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	350	mg/kg	Notes 161 & 188	8	2008	1000	mg/kg	Notes 161 & 191	8	2008	790	mg/kg	Note 113	3	
04.2.2.5	vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000	mg/kg	Note 188	8	2008	1000	mg/kg	Notes 161 & 191	8	2008	4660	mg/kg	Note 119	3	
04.2.2.6	vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2008	350	mg/kg	Notes 113 & 161	8	2009

Food Cat. No.	Food Category Name	Acesulfame Potassium (INS 950)				Aspartame (INS 951)				Aspartame-Acesulfame Salt (INS 962)						
		Max Level	Notes	Step	Year	Max Level	Notes	Step	Year	Max Level	Notes	Step	Year			
04.2.2.7	fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000	mg/kg	Note 188	8	2008	2500	mg/kg	Notes 161 & 191	8	2008	2270	mg/kg	Note 113	3	
04.2.2.8	cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds						1000	mg/kg	Notes 161 & 191	8	2008					
05.1.1	cocoa mixes (powders) and cocoa mass/cake	350	mg/kg	Notes 97 & 188	8	2007	3000	mg/kg	Notes 97 & 191	8	2007					
05.1.2	cocoa mixes (syrups)	350	mg/kg	Notes 97, 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	1130	mg/kg	Note 113	3	
05.1.3	cocoa-based spreads, including fillings	1000	mg/kg	Notes 161 & 188	8	2007	3000	mg/kg	Notes 161 & 191	8	2008	4540	mg/kg	Notes 113 & 145	3	
05.1.4	cocoa and chocolate products	500	mg/kg	Notes 161 & 188	8	2007	3000	mg/kg	Notes 161 & 191	8	2008	2270	mg/kg	Notes 113 & 145	3	
05.1.5	imitation chocolate, chocolate substitute products	500	mg/kg	Notes 161 & 188	8	2007	3000	mg/kg	Notes 161 & 191	8	2008	500	mg/kg	Notes 113 & 161	8	2009
05.2.1	hard candy	500	mg/kg	Notes 156, 161 & 188	8	2007	3000	mg/kg	Notes 148 & 161	8	2008					
05.2.2	soft candy	1000	mg/kg	Notes 157, 161 & 188	8	2007	3000	mg/kg	Notes 148 & 161	8	2008					
05.2.3	nougats and marzipans	1000	mg/kg	Notes 161 & 188	8	2007	3000	mg/kg	Notes 161 & 191	8	2008					
05.3	chewing gum	5000	mg/kg	Notes 161 & 188	8	2007	10000	mg/kg	Notes 161 & 191	8	2007	4540	mg/kg	Notes 68 & 113	3	
05.4	decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	1130	mg/kg	Note 113	3	
06.3	breakfast cereals, including rolled oats	1200	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	1550	mg/kg	Notes 119 & 145	3	
06.5	cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	790	mg/kg	Notes 113 & 145	3	
06.8.1	soybean-based beverages	500	mg/kg	Note 188	3											
07.1	bread and ordinary bakery wares and mixes	1000	mg/kg	Notes 161 & 188	8	2008	4000	mg/kg	Notes 161 & 191	8	2008	2270	mg/kg	Note 113	3	
07.2	fine bakery wares (sweet, salty, savoury) and mixes	1000	mg/kg	Notes 165 & 188	8	2007	1700	mg/kg	Notes 165 & 191	8	2007	1000	mg/kg	Notes 77 & 113	8	2009

Food Cat. No.	Food Category Name	Acesulfame Potassium (INS 950)				Aspartame (INS 951)				Aspartame-Acesulfame Salt (INS 962)						
		Max Level	Notes	Step	Year	Max Level	Notes	Step	Year	Max Level	Notes	Step	Year			
09.2	processed fish and fish products, including mollusks, crustaceans, and echinoderms	200	mg/kg	Notes 144 & 188	8	2008	300	mg/kg	Notes 144 & 191	8	2007					
09.3	semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200	mg/kg	Notes 144 & 188	8	2007	300	mg/kg	Notes 144 & 191	8	2007	200	mg/kg	Note 113	8	2009
09.4	fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200	mg/kg	Notes 144 & 188	8	2007	300	mg/kg	Notes 144 & 191	8	2007	200	mg/kg	Note 113	8	2009
10.4	egg-based desserts (e.g., custard)	350	mg/kg	Notes 161 & 188	8	2007	1000	mg/kg	Notes 161 & 191	8	2007	790	mg/kg	Notes 113 & 145	3	
11.4	other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000	mg/kg	Notes 159 & 188	8	2007	3000	mg/kg	Notes 159 & 191	8	2007					
11.6	table-top sweeteners, including those containing high-intensity sweeteners		GMP	Note 188	8	2007		GMP	Note 191	8	2007		GMP	Note 113	8	2012
12.2	herbs, spices, seasonings, and condiments (e.g., seasoning for instant noodles)	2000	mg/kg	Notes 161 & 188	8	2008										
12.2.2	seasonings and condiments						2000	mg/kg	Notes 161 & 191	8	2008	3100	mg/kg	Note 113	3	
12.3	vinegars	2000	mg/kg	Notes 161 & 188	8	2008	3000	mg/kg	Notes 161 & 191	8	2008					
12.4	mustards	350	mg/kg	Note 188	8	2007	350	mg/kg	Note 191	8	2007	540	mg/kg	Note 119	3	
12.5	soups and broths	110	mg/kg	Notes 161 & 188	8	2007	1200	mg/kg	Notes 161 & 188	8	2009	250	mg/kg	Notes 113 & 138	3	
12.6	sauces and like products	1000	mg/kg	Note 188	8	2007	350	mg/kg	Note 191	8	2007					
12.7	salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	350	mg/kg	Notes 161 & 188	8	2007	350	mg/kg	Notes 161 & 166	8	2007	1550	mg/kg	Notes 113 & 145	3	
12.9.1	fermented soybean paste (e.g., miso)	350	mg/kg	Note 188	3											
13.3	dietetic foods intended for special medical purposes (excluding products of food category 13.1)	500	mg/kg	Note 188	8	2007	1000	mg/kg	Note 191	8	2007	500	mg/kg	Note 113	8	2012
13.4	dietetic formulae for slimming purposes and weight reduction	450	mg/kg	Note 188	8	2007	800	mg/kg	Note 191	8	2007	450	mg/kg	Note 113	8	2009
13.5	dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	450	mg/kg	Note 188	8	2007	1000	mg/kg	Note 191	8	2007	450	mg/kg	Note 113	8	2009

Food Cat. No.	Food Category Name	Acesulfame Potassium (INS 950)				Aspartame (INS 951)				Aspartame-Acesulfame Salt (INS 962)						
		Max Level	Notes	Step	Year	Max Level	Notes	Step	Year	Max Level	Notes	Step	Year			
13.6	food supplements	2000	mg/kg	Note 188	8	2007	5500	mg/kg	Note 191	8	2007	2000	mg/kg	Note 113	8	2012
14.1.3.1	fruit nectar	350	mg/kg	Note 188	8	2005	600	mg/kg	Note 191	8	2005	350	mg/kg	Note 113	3	
14.1.3.2	vegetable nectar	350	mg/kg	Notes 161 & 188	8	2008	600	mg/kg	Notes 161 & 191	8	2007					
14.1.3.3	concentrates for fruit nectar	350	mg/kg	Notes 127 & 188	8	2005	600	mg/kg	Notes 127 & 191	8	2005	350	mg/kg	Notes 113 & 127	3	
14.1.3.4	concentrates for vegetable nectar	350	mg/kg	Notes 127, 161 & 188	8	2007	600	mg/kg	Notes 127 & 161	8	2007	3100	mg/kg	Note 113	3	
14.1.4	water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600	mg/kg	Notes 161 & 188	8	2007	600	mg/kg	Notes 161 & 191	8	2007	930	mg/kg	Notes 119 & 145	3	
14.1.5	coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	600	mg/kg	Notes 160, 161 & 188	8	2007	600	mg/kg	Notes 160 & 161	8	2007	1360	mg/kg	Note 113	3	
14.2.1	beer and malt beverages											790	mg/kg	Notes 113 & 138	3	
14.2.7	aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	350	mg/kg	Note 188	8	2007	600	mg/kg	Note 191	8	2007	350	mg/kg	Note 119	8	2010
15.0	ready-to-eat savouries	350	mg/kg	Note 188	8	2007	500	mg/kg	Note 191	8	2008	770	mg/kg	Notes 113 & 144	3	

NOTES

Note 68: For use in products with no added sugar only.

Note 77: For special nutritional uses only.

Note 97: In the finished product/final cocoa and chocolate products.

Note 113: Use level reported as acesulfame potassium equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.44). Combined use of aspartame-acesulfame salt with individual acesulfame potassium or aspartame should not exceed the individual maximum levels for acesulfame potassium or aspartame (the reported maximum level can be converted to aspartame equivalents by dividing by 0.68).

Note 119: Use level reported as aspartame equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.64). Combined use of aspartame-acesulfame salt with individual aspartame or acesulfame potassium should not exceed the individual maximum levels for aspartame or acesulfame potassium (the reported maximum level can be converted to acesulfame potassium equivalents by multiplying by 0.68).

Note 127: As served to the consumer.

Note 138: For use in energy-reduced products only.

Note 144: For use in sweet and sour products only.

Note 145: Products are energy reduced or with no added sugar.

Note 148: For use in microsweets and breath freshening mints at 10,000 mg/kg.

Note 156: For use in microsweets and breath freshening mints at 2500 mg/kg.

Note 157: For use in microsweets and breath freshening mints at 2000 mg/kg.

Note 159: For use in pancake syrup and maple syrup only.

Note 160: For use in ready-to-drink products and pre-mixes for ready-to-drink products only.

Note 161: Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble.

Note 165: For use in products for special nutritional use only.

Note 166: For milk-based sandwich spreads only.

Note 188: Not to exceed the maximum use level for acesulfame potassium (INS 950) singly or in combination with aspartame-acesulfame salt (INS 962).

Note 191: Not to exceed the maximum use level for aspartame (INS 951) singly or in combination with aspartame-acesulfame salt (INS 962).