

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
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World Health
Organization

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JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON FOOD ADDITIVES

Fifty-Second Session

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Report of the 52nd CCFA's Virtual Working Group on Note 161 held on 25 June 2021

- Provisions for Sweeteners

It was announced in CL 2021/26-FA that a virtual working group (VWG) would be convened prior to the Plenary to CCFA52. The VWG was convened to consider and prepare recommendations to the Plenary on the work of the electronic working group on Note 161 to CCFA52 and responses to CL 2021/26-FA. The VWG was co-chaired by the European Union (EU) and the United States of America (USA). The delegation of the USA served as rapporteur.

The EWG on Note 161 was convened by CCFA51 with the following Terms of Reference (REP 19/FA, para. 119(iii)):

- a) to discuss provisions with Note 161¹ attached to them in the following FCs:
 - Lists V (excluding FC 5.3) and X of document CX/FA 19/51/10 to provide recommendations for a replacement Note for Note 161; and
 - List W and Z of CX/FA 15/47/13 to determine if sweeteners or flavour enhancers are justified in these food categories and provide recommendations either for a replacement Note for "Note 161" or whether such provisions should be revoked/discontinued; and
 - Additional food categories with adopted provisions or provisions in the step process with "Note 161" that may not be listed in document CX/FA 15/47/13; and determine if sweeteners or flavour enhancers are justified in these food categories and provide recommendations either for a "replacement Note" for "Note 161" or whether such provisions should be revoked/discontinued; and
- b) to discuss if sweeteners or flavour enhancers are justified in FCs 07.1 "Bread and ordinary bakery ware and mixes", 12.2.2 "Seasonings and condiments", 12.3 "Vinegars" and provide recommendations either for a replacement of Note 161 or whether such provisions should be revoked/discontinued.

The Report of the EWG on Note 161 is in CX/FA 21/52/9. Comments to the agenda items listed above were also included in CX/FA 21/52/9 Add. 1 and FA52/CRDs 11 and 15.

The following Members and Organizations participated: Argentina, Australia, Azerberbajjan, Belgium, Brazil, Burkina Faso, Canada, Chile, China, Costa Rica, Czech Republic, Denmark, Dominican Republic, European Union, Fiji, Finland, France, Germany, Hungary, India, Indonesia, Ireland, Israel, Japan, Kenya, Lebanon, Madagascar, Malaysia, Mauritius, Mexico, Morocco, New Zealand, Nigeria, Norway, Paraguay, Philippines, Poland, Portugal, Qatar, Republic of Korea, Russian Federation, Senegal, Slovenia, South Africa, Spain, Switzerland, Syrian Arab Republic, Thailand, Uganda, United Arab Emirates, United Kingdom, United Republic of Tanzania, United States of America, Vietnam; African Union, Economic Community of West African States, and CCC, CEFS, EFAD, EFEMA, EU Specialty Food Ingredients, FIA, FoodDrinkEurope, GOED, IACM, IADSA, ICA, ICA/IOCCC, ICBA, ICGA, ICGMA, IDF/FIL, IFAC, IFT, IFU, IGTC, ILSI, ISA, ISCO, ISDI, NATCOL, SSAFE, USP, and UNIDO.

WORKING GROUP REPORT

The EU, as co-Chair of the VWG, presented the provisional agenda of the VWG for discussion. The VWG agreed to proceed with the proposed agenda.

¹ Note 161: "Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble."

The co-Chair noted that CCFA50 convened an EWG co-chaired by the EU and the USA to develop alternatives to Note 161 which address differences in the use of sweeteners amongst Codex Members in the context of recommendations in CX/FA 15/47/13. The co-Chair further noted that CCFA 51 reached consensus on alternative notes which capture the differences in the use of sweeteners amongst different Codex members (Notes 477 and 478).² At CCFA51, many adopted provisions for sweeteners in the General Standard for Food Additives (GSFA) were revised, replacing Note 161 with the new notes.

The co-Chair noted that CCFA51 reconvened the EWG to continue discussion on the replacement of Note 161 for provisions for sweeteners for which consensus had not been reached on the use of Notes 477 and 478. The EWG was tasked to discuss the food categories where consensus had not yet been reached, to consider developing alternative notes, and to discuss the technological justification for the use of sweeteners in each food category as needed.

The USA, as co-Chair of the VWG, noted that the Report of the EWG on Note 161 contains 4 recommendations as follows:

Recommendation 1: Specific to provisions (both adopted and in the Step Process) in the food categories listed in Appendix 1 of the current document - replace Note 161, move, or revoke/discontinue those provisions as designated in the horizontal approach for that food category.

Recommendation 2: The specific adopted provisions proposed for revision under Recommendation 1 are included in Appendix 1 of the current document. These adopted provisions are presented in the format of Table 2 of the GSFA. Appendix 1 differentiates which replacement notes are proposed for each adopted provision, or whether the proposal is that the provision be moved to another food category or revoked.

Recommendation 3: The EWG co-chairs observe that there are draft and proposed draft provisions still in the Step Process in the food categories listed in Recommendation 1. The EWG co-chairs recommend that these provisions be revised as per Recommendation 1 and circulated for comment by the EWG on the GSFA to CCFA53.

Recommendation 4: The EWG co-chairs observe that the EWG was not able to reach consensus on an approach to address the use of Note 161 in food categories 07.1 and 12.2 or its subcategories. In addition, there is an adopted provision with Note 161 for a sweetener in food category 05.1.1 that has not been considered by previous EWGs on Note 161. Therefore, the EWG co-chairs recommend that CCFA52 reconvene the current EWG to discuss provisions with Note 161 attached to them in food categories 05.1.1, 07.1, and 12.2 and its subcategories and provide recommendations either for a replacement of Note 161 or whether such provisions should be revoked/discontinued, and whether the descriptors of these food categories should be revised to address the use of food additives, including sweeteners.

The VWG proceeded to discuss the recommendations.

When discussing Recommendations 1 and 2 of the EWG report, the co-Chair noted that the EWG took a horizontal approach to the use of sweeteners in the Food Categories under discussion. In doing so the EWG considered whether, taking into account comments from EWG members on how sweeteners were used in that Food Category, replacement notes for Note 161 could be formulated and applied to provisions for sweeteners with note 161 attached to them on a horizontal basis across each Food Category. If information was not provided on the use of sweeteners in a specific Food Category, the EWG recommended that provisions for additives with sweetener function in that Food Category should be revoked or discontinued.

The VWG proceeded to discuss the horizontal approach to addressing Note 161 for each Food Category and the consequential effect for the individual adopted provisions for sweeteners with Note 161 attached to them in those Food Categories as presented in Appendix 1 of the EWG report.

When discussing the horizontal approach for Food Category 01.4.4 (Cream analogues) the co-Chair noted that this food category is very similar to Food Category 01.5.2 (Milk and cream powder analogues) for which the horizontal approach recommended by the EWG accounted for the use of sweeteners in flavoured products. Additionally, information on the use of sweeteners in flavoured products within Food Category 01.4.4 had been provided in CX/FA 21/52/9 Add. 1. Therefore, the co-Chair proposed that the VWG consider revising the horizontal approach for this Food Category to replace Note 161 with Note 477 or 478 as

² Note 477: Some Codex Members allow use of additives with sweetener function in all foods within this Food Category while others limit additives with sweetener function to those foods with significant energy reduction or no added sugars.

Note 478: Some Codex Members allow use of additives with sweetener function in all foods within this Food Category while others limit additives with sweetener function to those foods with significant energy reduction or no added sugars. This limitation may not apply to the appropriate use as a flavour enhancer.

appropriate, add a new note “For use in flavoured and/or sweetened products only.”, and apply that approach to the adopted provisions for sweeteners with Note 161 attached to them in Food Category 01.4.4.

When discussing the horizontal approach for Food Category 04.2.2.8 (Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds) the co-Chair noted that information on the use of sweeteners in specific products within this Food Category had been provided in CRD11. Therefore, the co-Chair proposed that the VWG consider revising the horizontal approach for this Food Category to replace Note 161 with Note 477 or 478 as appropriate, add a new note “For use in curried products only.” and apply that approach to the adopted provisions for sweeteners with Note 161 attached to them in this Food Category.

The consensus determination of the VWG on the horizontal approach for the use of sweeteners in each Food Category under discussion are compiled in Annex 1.

Recommendation 1

The VWG recommends that CCFA52 endorse the revision of adopted provisions for sweeteners to remove Note 161 or replace Note 161 with alternative notes as indicated in Annex 2.

Recommendation 2

The VWG recommends that CCFA52 endorse the revocation of the adopted provisions contained in Annex 3 and remove them from the GSFA.

When discussing Recommendation 3 from the EWG report the co-Chair noted that the consensus decision of the VWG on the horizontal approach to replace Note 161 had changed for specific Food Categories from that presented in Appendix 1 of the EWG report. Therefore, any recommendation from the VWG pertaining to draft and proposed draft provisions still in the step process in the Food Categories considered by the VWG should take this into account.

Recommendation 3

The VWG recommends that CCFA52 task the EWG on the GSFA to CCFA53 with:

- 1) revising the draft and proposed draft sweetener provisions still in the Step Process in the Food Categories listed in Appendix 1 of CX/FA 21/52/9 as per the horizontal approach listed in Annex 1; and
- 2) circulate those provisions for comment.³

Pertaining to Recommendation 4 from the EWG report it was discussed that the proposed mandate would complete work on the removal of Note 161 from provisions for sweeteners with note 161 attached to them, including both adopted provisions and provisions in the step process. However, during the discussion the EU noted that CCFA had not yet considered the horizontal approach to address Note 161 for sweeteners in the context of adopted provisions for sweeteners that are not associated with Note 161. As a consequence, the outcome of the working group could create inconsistencies amongst GSFA provisions for sweeteners that are not based on science or risk management considerations and do not provide comprehensive information on the differences in the use of sweeteners amongst Codex Members. The EU requested that their position be recorded in the report of the VWG and that CCFA 52 consider the expansion of the mandate for the EWG on Note 161 to CCFA53 to include the consideration of the application of the horizontal approach in the context of adopted provisions for sweeteners that do not have Note 161 attached to them.

Some Members and Observers opposed the expansion of the mandate and indicated that the terms of reference for the EWG on Note 161 had always been limited to provisions with Note 161 attached to them. The Codex Secretariat indicated that the mandate of the EWG is under the purview of CCFA and can be discussed further at the Plenary in September. The VWG agreed to request CCFA to discuss whether to expand the mandate further at the Plenary meeting in September.

³ As the draft and proposed draft provisions will be circulated for comment by the EWG on the GSFA to CCFA53, they are not listed in the current document.

Recommendation 4

The VWG recommends that CCFA52 task the EWG on Note 161 to CCFA53 to discuss provisions with Note 161 attached to them in Food Category 5.1.1, 7.1 and, 12.2 and its subcategories and provide recommendations for a replacement of Note 161 or where such provisions should be revoked/ discontinued, and whether the descriptors of these Food Categories should be revised to address the use of food additives, including sweeteners.

Recommendation 5

The VWG recommends that CCFA52 discuss whether the future mandate of the EWG on Note 161 to CCFA53 should include the application of the horizontal approach for sweeteners to adopted sweetener provisions not associated with Note 161.

Annex 1: Determination on the Horizontal Approach for the Use of Sweeteners by Food Category

Annex 2: Adopted Food Additive Provisions (for revision at Step 8 and 5/8)

Annex 3: Adopted Food Additive Provisions (for revocation)

ANNEX 1

DETERMINATION ON THE HORIZONTAL APPROACH TO THE USE OF SWEETENERS IN FOOD CATEGORIES IN TABLES 1 AND 2 OF THE GSFA WHICH CONTAINED PROVISIONS WITH NOTE 161 ATTACHED

Food Category Number	Food Category Description	Determination of the Working Group on the Horizontal Approach to the Use of Sweeteners
01.1.4*	Flavoured fluid milk drinks	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
01.7*	Dairy-based desserts (e.g. pudding, fruit or flavoured yoghurt)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
01.3.2	Beverage whiteners	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate, Notes XS250, XS252, and Note 201 (For use in flavoured products only).
01.4.4	Cream analogues	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate and a New Note "For use in flavoured and/or sweetened products only."
01.5.2	Milk and cream powder analogues	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate, Note XS251 and New Note "For use in flavoured and/or sweetened milk powder analogues only."
01.6.1	Unripened cheese	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate, Notes XS221, XS273, XS275, XS262 and Note 201 "For use in flavoured products only".
01.6.5	Cheese analogues	No information provided on use of sweeteners in this food category.
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions)	No information provided on use of sweeteners in this food category.
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
3.0*	Edible ices, including sherbet and sorbet	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.1	Frozen fruit	The use of sweeteners in this food category is justified on a general

		basis with Note 477 or 478 as appropriate, and New Note "For use in products in a syrup or juice only."
04.1.2.2	Dried fruit	No information provided on use of sweeteners in this food category. Provisions for sweeteners in this FC may be included within FC 04.1.2.7.
04.1.2.3	Fruit in vinegar, oil, or brine	The use of sweeteners in this food category is justified on a general basis with Note 144 ("For use in sweet and sour products only").
04.1.2.4	Canned or bottled (pasteurized) fruit	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.5*	Jams, jellies, marmelades	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.6*	Fruit-based spreads (e.g. chutney) excluding products of food category 04.1.2.5	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.7	Candied fruit	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.8*	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.9*	Fruit-based desserts, including fruit-flavoured water-based desserts	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.10*	Fermented fruit products	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.11	Fruit fillings for pastries	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.1.2.12*	Cooked fruit	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	No information provided on use of sweeteners in this food category.
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and	The use of sweeteners in this food category is justified on a general basis with Note 144 ("For use in sweet and sour products only")

	aloe vera), seaweeds, and nuts and seeds	and new Note "For general use in dried seaweed only."
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	The use of sweeteners in this food category is justified on a general basis with Note 144 ("For use in sweet and sour products only").
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	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
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)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
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	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
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	The use of sweeteners in this food category is justified on a general basis with Note 144 ("For use in sweet and sour products only").
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate; existing Note 144 ("For use in sweet and sour products only"), and New note "For use in curried products only".
05.1.2	Cocoa mixes (syrups))	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.1.3*	Cocoa-based spreads, including fillings	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.1.4*	Cocoa and chocolate products	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.1.5	Imitation chocolate, chocolate substitute products)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.

05.2*	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.2.1*	Hard candy	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.2.2*	Soft candy	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.2.3*	Nougats and marzipans	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.3*	Chewing gum	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
05.4*	Decorations (e.g. for fine bakery wares), toppings (non-fruit) and sweet sauces	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
06.3*	Breakfast cereals, including rolled oats	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
06.5	Cereal and starch based desserts (e.g. rice pudding, tapioca pudding))	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	The use of additives for sweetener function in this food category is not justified on a general basis. The use of additives for flavour enhancer function that also have associated sweetener function in this food category is justified on a general basis with Notes XS88, XS89, XS98, and new note "For use as flavour enhancer only."
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	The use of additives for sweetener function in this food category is not justified on a general basis. The use of additives for flavour enhancer function that also have associated sweetener function in this food category is justified on a general basis, with Notes XS88, XS89, XS98, and new note "For use as flavour enhancer only."
09.2.4.1	Cooked fish and fish products	The use of sweeteners in this food category is justified on a general

		basis with Note 477 or 478 as appropriate, and new note "For use in cooked products boiled with soy sauce only."
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	The use of sweeteners in this food category is justified on a general basis with Note 144 ("For use in sweet and sour products only").
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	The use of sweeteners in this food category is justified on a general basis with Note 144 ("For use in sweet and sour products only").
10.4*	Egg-based desserts (e.g. custard)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate
11.4	Other sugars and syrups (e.g. xylose, maple syrup, sugar toppings))	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate
12.3	Vinegars	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate and new note "For use in flavoured vinegar and in rice vinegar only".
12.5*	Soups and broths	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
12.6.1	Emulsified sauces and dips (e.g. mayonnaise, salad dressing, onion dip))	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
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	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
14.1.3.2	Vegetable nectar	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
14.1.3.4	Concentrates for vegetable nectar	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
14.1.4*	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
14.1.4.1*	Carbonated water-based flavoured drinks	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
14.1.4.2*	Non-carbonated water-based flavoured drinks, including punches and ades	The use of sweeteners in this food category is justified on a general

		basis with Note 477 or 478 as appropriate.
14.1.4.3*	Concentrates (liquid or solid) for water-based flavoured drinks	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
14.1.5*	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
14.2.7	Aromatized alcoholic beverages (e.g. beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.
15.0	Ready-to-eat savouries	The use of sweeteners in this food category is justified on a general basis with Note 477 or 478 as appropriate.

* The horizontal approach to the use of sweeteners in these food categories was determined at CCFA51 (See REP 19/FA, para. 114).

Note 477: Some Codex Members allow use of additives with sweetener function in all foods within this Food Category while others limit additives with sweetener function to those foods with significant energy reduction or no added sugars.

Note 478: Some Codex Members allow use of additives with sweetener function in all foods within this Food Category while others limit additives with sweetener function to those foods with significant energy reduction or no added sugars. This limitation may not apply to the appropriate use as a flavour enhancer.

Annex 2: Adopted Food Additive Provisions (for Revision at Step 8)

Food Category No. 01.3.2		Beverage whiteners				
Additive	INS	Step	Year	Max Level	Notes	
ACESULFAME POTASSIUM	950	8	2021	2000 mg/kg	188, 201, 478, XS250, XS252	
ASPARTAME	951	8	2021	6000 mg/kg	191, 201, 478, XS250, XS252	
NEOTAME	961	8	2021	65 mg/kg	201, 478, XS250, XS252	
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	580 mg/kg	201, 478, XS250, XS252	
Food Category No. 01.4.4		Cream analogues				
Additive	INS	Step	Year	Max Level	Notes	
ACESULFAME POTASSIUM	950	8	2021	1000 mg/kg	188, 478 & A7	
ASPARTAME	951	8	2021	1000 mg/kg	191, 478 & A7	
NEOTAME	961	8	2021	33 mg/kg	478 & A7	
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	580 mg/kg	478 & A7	
Food Category No. 01.5.2		Milk and cream powder analogues				
Additive	INS	Step	Year	Max Level	Notes	
ACESULFAME POTASSIUM	950	8	2021	1000 mg/kg	188, 478, XS251 & A1	
ASPARTAME	951	8	2021	2000 mg/kg	191, 478, XS251 & A1	
NEOTAME	961	8	2021	65 mg/kg	478, XS251 & A1	
Food Category No. 01.6.1		Unripened cheese				
Additive	INS	Step	Year	Max Level	Notes	
ASPARTAME	951	8	2021	1000 mg/kg	191, 201, 478, XS221, XS262, XS273 & XS275	
Food Category No. 02.4		Fat-based desserts excluding dairy-based dessert products of food category 01.7				
Additive	INS	Step	Year	Max Level	Notes	
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188 & 478	
ASPARTAME	951	8	2021	1000 mg/kg	191 & 478	
ASPARTAME-ACESULFAME SALT	962	8	2021	350 mg/kg	113 & 477	
CYCLAMATES	952(i), (ii), (iv)	8	2021	250 mg/kg	17 & 477	
NEOTAME	961	8	2021	100 mg/kg	478	

Food Category No. 02.4**Fat-based desserts excluding dairy-based dessert products of food category 01.7**

Additive	INS	Step	Year	Max Level	Notes
SACCHARINS	954(i)-(iv)	8	2021	100 mg/kg	477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	478

Food Category No. 04.1.2.1**Frozen fruit**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	500 mg/kg	188, 478 & A2
ASPARTAME	951	8	2021	2000 mg/kg	191, 478, & A2
NEOTAME	961	8	2021	100 mg/kg	478 & A2
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	478 & A2

Food Category No. 04.1.2.3**Fruit in vinegar, oil, or brine**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	200 mg/kg	144 & 188
NEOTAME	961	8	2021	100 mg/kg	144

Food Category No. 04.1.2.4**Canned or bottled (pasteurized) fruit**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188, 478 & XS319
ASPARTAME	951	8	2021	1000 mg/kg	191, 478 & XS319
ASPARTAME-ACESULFAME SALT	962	8	2021	350 mg/kg	113, 477 & XS319
CYCLAMATES	952(i), (ii), (iv)	8	2021	1000 mg/kg	17, 477 & XS319
NEOTAME	961	8	2021	33 mg/kg	478 & XS319
SACCHARINS	954(i)-(iv)	8	2021	200 mg/kg	477 & XS319
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	478 & XS319

Food Category No. 04.1.2.7**Candied fruit**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	500 mg/kg	188 & 478
ASPARTAME	951	8	2021	2000 mg/kg	191 & 478
NEOTAME	961	8	2021	100 mg/kg	478
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	1500 mg/kg	478

Food Category No. 04.1.2.11**Fruit fillings for pastries**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188 & 478
ASPARTAME	951	8	2021	1000 mg/kg	191 & 478
NEOTAME	961	8	2021	100 mg/kg	478
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	478

Food Category No. 04.2.2.2**Dried vegetables (including mushrooms and**

fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds

Additive	INS	Step	Year	Max Level	Notes
ASPARTAME	951	8	2021	1000 mg/kg	144, 191 & A3
NEOTAME	961	8	2021	33 mg/kg	144 & A3
SACCHARINS	954(i)-(iv)	8	2021	500 mg/kg	144 & A3
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	580 mg/kg	144 & A3

Food Category No. 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

Additive	INS	Step	Year	Max Level	Notes
ASPARTAME-ACESULFAME SALT	962	8	2021	200 mg/kg	113 & 144

Food Category No. 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

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188 & 478
ASPARTAME	951	8	2021	1000 mg/kg	191 & 478
NEOTAME	961	8	2021	33 mg/kg	478
SACCHARINS	954(i)-(iv)	8	2021	160 mg/kg	144 & 477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	580 mg/kg	478

Food Category No. 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)

Additive	INS	Step	Year	Max Level	Notes
ASPARTAME	951	8	2021	1000 mg/kg	191 & 478

Food Category No. 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)

Additive	INS	Step	Year	Max Level	Notes
NEOTAME	961	8	2021	33 mg/kg	478
SACCHARINS	954(i)-(iv)	8	2021	160 mg/kg	477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	169 & 478

Food Category No. 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

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188 & 478
ASPARTAME	951	8	2021	1000 mg/kg	191 & 478
ASPARTAME-ACESULFAME SALT	962	8	2021	350 mg/kg	113 & 477
CYCLAMATES	952(i), (ii), (iv)	8	2021	250 mg/kg	17 & 477
NEOTAME	961	8	2021	33 mg/kg	478
SACCHARINS	954(i)-(iv)	8	2021	200 mg/kg	477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	478

Food Category No. 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

Additive	INS	Step	Year	Max Level	Notes
ASPARTAME	951	8	2021	2500 mg/kg	144 & 191
NEOTAME	961	8	2021	33 mg/kg	144
SACCHARINS	954(i)-(iv)	8	2021	200 mg/kg	144
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	580 mg/kg	144

Food Category No. 04.2.2.8**Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds**

Additive	INS	Step	Year	Max Level	Notes
ASPARTAME	951	8	2021	1000 mg/kg	144, 191, 478 & A4
NEOTAME	961	8	2021	33 mg/kg	144, 478 & A4
SACCHARINS	954(i)-(iv)	8	2021	160 mg/kg	144, 477 & A4
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	150 mg/kg	144, 478 & A4

Food Category No. 05.1.2**Cocoa mixes (syrups)**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	97, 188 & 478
ASPARTAME	951	8	2021	1000 mg/kg	191 & 478
CYCLAMATES	952(i), (ii), (iv)	8	2021	250 mg/kg	17, 127 & 477
NEOTAME	961	8	2021	33 mg/kg	97 & 478
SACCHARINS	954(i)-(iv)	8	2021	80 mg/kg	477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	97 & 478

Food Category No. 05.1.5**Imitation chocolate, chocolate substitute products**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	500 mg/kg	188 & 478
ASPARTAME	951	8	2021	3000 mg/kg	191 & 478
ASPARTAME-ACESULFAME SALT	962	8	2021	500 mg/kg	113 & 477
CYCLAMATES	952(i), (ii), (iv)	8	2021	500 mg/kg	17 & 477
NEOTAME	961	8	2021	100 mg/kg	478
SACCHARINS	954(i)-(iv)	8	2021	500 mg/kg	477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	800 mg/kg	478

Food Category No. 06.5**Cereal and starch based desserts (e.g. rice pudding, tapioca pudding)**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188 & 478
ASPARTAME	951	8	2021	1000 mg/kg	191 & 478
CYCLAMATES	952(i), (ii), (iv)	8	2021	250 mg/kg	17 & 477
NEOTAME	961	8	2021	33 mg/kg	478
SACCHARINS	954(i)-(iv)	8	2021	100 mg/kg	477

Food Category No. 06.5 Cereal and starch based desserts (e.g. rice pudding, tapioca pudding)

Additive	INS	Step	Year	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	478

Food Category No. 07.2 Fine bakery wares (sweet, salty, savoury) and mixes

Additive	INS	Step	Year	Max Level	Notes
NEOTAME	961	8	2021	80 mg/kg	165 & 478
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2008	700 mg/kg	165 & 478

Food Category No. 09.2.4.1 Cooked fish and fish products

Additive	INS	Step	Year	Max Level	Notes
SACCHARINS	954(i)-(iv)	8	2021	500 mg/kg	477 & A5

Food Category No. 09.3 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms

Additive	INS	Step	Year	Max Level	Notes
NEOTAME	961	8	2021	10 mg/kg	144 & XS291

Food Category No. 09.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms

Additive	INS	Step	Year	Max Level	Notes
NEOTAME	961	8	2021	10 mg/kg	144, XS3, XS37, XS70, XS90, XS94 & XS119

Food Category No. 11.4 Other sugars and syrups (e.g. xylose, maple syrup, sugar toppings)

Additive	INS	Step	Year	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	1500 mg/kg	159 & 478

Food Category No. 12.3 Vinegars

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	2000 mg/kg	188, 478 & A6
ASPARTAME	951	8	2021	3000 mg/kg	191, 478 & A6
NEOTAME	961	8	2021	12 mg/kg	478 & A6

Food Category No. 12.3**Vinegars**

Additive	INS	Step	Year	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	400 mg/kg	478 & A6

Food Category No. 12.6.1**Emulsified sauces and dips (e.g. mayonnaise, salad dressing, onion dip)**

Additive	INS	Step	Year	Max Level	Notes
CYCLAMATES	952(i), (ii), (iv)	8	2021	500 mg/kg	17 & 477

Food Category No. 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**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188 & 478
ASPARTAME	951	8	2021	350 mg/kg	166 & 478
CYCLAMATES	952(i), (ii), (iv)	8	2021	500 mg/kg	17 & 477
NEOTAME	961	8	2021	33 mg/kg	166 & 478
SACCHARINS	954(i)-(iv)	8	2021	200 mg/kg	166 & 477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	1250 mg/kg	169 & 478

Food Category No. 14.1.3.2**Vegetable nectar**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	188 & 478
ASPARTAME	951	8	2021	600 mg/kg	191 & 478
CYCLAMATES	952(i), (ii), (iv)	8	2021	400 mg/kg	17 & 477
NEOTAME	961	8	2021	65 mg/kg	478
SACCHARINS	954(i)-(iv)	8	2021	80 mg/kg	477
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	300 mg/kg	478

Food Category No. 14.1.3.4**Concentrates for vegetable nectar**

Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2021	350 mg/kg	127, 188 & 478
ASPARTAME	951	8	2021	600 mg/kg	127 & 478
CYCLAMATES	952(i), (ii), (iv)	8	2021	400 mg/kg	17, 127 & 477
NEOTAME	961	8	2021	65 mg/kg	127 & 478
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	300 mg/kg	127 & 478

Food Category No. 14.2.7 Aromatized alcoholic beverages (e.g. beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)

Additive	INS	Step	Year	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	700 mg/kg	478

Food Category No. 15.0 Ready-to-eat savouries

Additive	INS	Step	Year	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2021	1000 mg/kg	478

Notes to the General Standard for Food Additives

- Note 17 As cyclamic acid.
- Note 97 On the final cocoa and chocolate product basis.
- Note 113 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 127 On the served to the consumer basis.
- Note 144 For use in sweet and sour products only.
- Note 148 Except for use in microsweets and breath freshening mints at 10 000 mg/kg.
- Note 159 For use in pancake syrup and maple syrup only.
- Note 165 For use in products for special nutritional use only.
- Note 166 For use in milk-based sandwich spreads only.
- Note 169 For use in fat-based sandwich spreads only.
- 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.
- 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.
- Note 201 For use in flavoured products only.
- Note 477 Some Codex Members allow use of additives with sweetener function in all foods within this Food Category while others limit additives with sweetener function to those foods with significant energy reduction or no added sugars.
- Note 478 Some Codex Members allow use of additives with sweetener function in all foods within this Food Category while others limit additives with sweetener function to those foods with significant energy reduction or no added sugars. This limitation may not apply to the appropriate use as a flavour enhancer.
- Note XS250 Excluding products conforming to the Standard for a Blend of Evaporated Skimmed Milk and Vegetable Fat (CODEX STAN 250-2006).
- Note XS251 Excluding products conforming to the Standard for a Blend of Skimmed Milk and Vegetable Fat in Powdered Form (CODEX STAN 251-2006).
- Note XS252 Excluding products conforming to the Standard for a Blend of Sweetened Condensed Skimmed Milk and Vegetable Fat (CODEX STAN 252-2006).
- Note XS291 Excluding products conforming to the Standard for Sturgeon Caviar (CODEX STAN 291-2010).
- Note XS319 Excluding products conforming to the Standard for Certain Canned Fruits (CODEX STAN 319-2015).
- Note XS94 Excluding products conforming to the Standard for Canned Sardines and Sardine-Type Products (CODEX STAN 94-1981).
- Note XS3 Excluding products conforming to the Standard for Canned Salmon (CODEX STAN 3-1981).
- Note XS37 Excluding products conforming to the Standard for Canned Shrimps or Prawns (CODEX STAN 37-1991).
- Note XS70 Excluding products conforming to the Standard for Canned Tuna and Bonito (70-1981).
- Note XS90 Excluding products conforming to the Standard for Canned Crab Meat (CODEX STAN 90-1981).
- Note XS119 Excluding products conforming to the Standard for Canned Finfish (CODEX STAN 119-1981).
- Note A1 For use in flavoured and/or sweetened milk powder analogues only.
- Note A2 For use in products in a syrup or juice only.
- Note A3 For general use in dried seaweed only.

Note A4	For use in curried products only.
Note A5	For use in cooked products boiled with soy sauce only.
Note A6	For use in flavoured vinegar and in rice vinegar only.
Note A7	For use in flavoured and/or sweetened products only.

Annex 3: Adopted Food Additive Provisions (for Revocation)

Food Category No. 01.6.5		Cheese analogues			
Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2008	350 mg/kg	161 & 188
ASPARTAME	951	8	2008	1000 mg/kg	161 & 191
NEOTAME	961	8	2008	33 mg/kg	161
SACCHARINS	954(i)-(iv)	8	2008	100 mg/kg	161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2008	500 mg/kg	161

Food Category No. 02.3		Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions			
Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2008	1000 mg/kg	161 & 188
ASPARTAME	951	8	2008	1000 mg/kg	161 & 191
NEOTAME	961	8	2008	10 mg/kg	161

Food Category No. 04.1.2.2		Dried fruit			
Additive	INS	Step	Year	Max Level	Notes
ACESULFAME POTASSIUM	950	8	2008	500 mg/kg	161 & 188
ASPARTAME	951	8	2008	2000 mg/kg	161 & 191
NEOTAME	961	8	2008	100 mg/kg	161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2008	1500 mg/kg	161

Food Category No. 04.2.2.1		Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds			
Additive	INS	Step	Year	Max Level	Notes
ASPARTAME	951	8	2008	1000 mg/kg	161 & 191
NEOTAME	961	8	2008	33 mg/kg	161
SACCHARINS	954(i)-(iv)	8	2008	500 mg/kg	161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	8	2008	150 mg/kg	161

Food Category No. 08.2.2		Heat-treated processed meat, poultry, and game products in whole pieces or cuts			
Additive	INS	Step	Year	Max Level	Notes
SACCHARINS	954(i)-(iv)	8	2014	500 mg/kg	161, XS96 & XS97

Food Category No. 08.3.2 Heat-treated processed comminuted meat, poultry, and game products

Additive	INS	Step	Year	Max Level	Notes
SACCHARINS	954(i)-(iv)	8	2014	500 mg/kg	161, XS88, XS89 & XS98

Notes to the General Standard for Food Additives

- Note 161 Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble.
- 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.
- 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.
- Note XS88 Excluding products conforming to the Standard for Corned Beef (CODEX STAN 88-1981).
- Note XS89 Excluding products conforming to Standard for Luncheon Meat (CODEX STAN 89-1981).
- Note XS96 Excluding products conforming to the Standard for Cooked Cured Ham (CODEX STAN 96-1981).
- Note XS97 Excluding products conforming to the Standard for Cooked Cured Pork Shoulder (CODEX STAN 97-1981).
- Note XS98 Excluding products conforming to the Standard for Cooked Cured Chopped Meat (CODEX STAN 98-1981).