

Memorandum

Date: August 7, 2023

From: Division of Food Ingredients
Chemistry Review Group 2

To: Division of Food Ingredients
Regulatory Review Group 1
Attn: S. West-Barnette

Subject: CAP 0C0317: Exponent, Inc., on behalf of Ecoflora SAS. Jagua (genipin-glycine) blue for use as a color additive in various foods. Submissions dated January 31, 2019, May 21, 2020, April 1, 2021, and November 23, 2021.

Introduction

Exponent, Inc. (Exponent), on behalf of Ecoflora SAS (Ecoflora), is petitioning to amend 21 CFR part 73 to allow for the use of jagua (genipin-glycine) blue derived from jagua (*Genipa americana* L.) fruit pulp as a color additive in flavored milk, dairy drinks and substitutes, dairy and dairy alternative yogurt, ice cream, frozen dairy and dairy alternative desserts, puddings, gelatins, ices, sorbets, ready-to-eat (RTE) multi-colored cereals, flavored potato chips, tortilla, corn, and other chips, candy, chewing gum, non-alcoholic fruit based/flavored drinks, nutritional beverages, smoothies, flavored cream cheese-based spreads, icings, frostings, jams, syrups, fruit toppings and fillings, at levels consistent with good manufacturing practice (GMP).

In a letter dated March 3, 2020, we declined to file the petition because the toxicology information was inadequate to support the safety of jagua (genipin-glycine) blue at the dietary exposure resulting from the proposed uses. Subsequently, Ecoflora removed several food categories from their proposed uses and submitted a revised dietary exposure assessment as a part of the submission dated May 21, 2020. In an amendment dated November 23, 2021, Ecoflora requested that the petition include the liquid form of jagua (genipin-glycine) blue in addition to the powder form.

This memorandum provides dietary exposure estimates for jagua (genipin-glycine) blue and for the polymer (main coloring component) in jagua (genipin-glycine) blue from the proposed uses as stated in the revised dietary exposure assessment dated May 21, 2020, and in the amendment dated November 23, 2021. Information regarding the other chemistry-related aspects of the petition will be reviewed by the Office of Cosmetics and Colors (OCAC).

Identity

Jagua (genipin-glycine) blue is a dark blue water-soluble powder or liquid prepared by reacting the juice of unripe jagua (*Genipa americana* L.) fruits with the amino acid glycine. The major coloring component of jagua (genipin-glycine) blue is a polymer that forms as a result of the reaction between genipin (iridoid present in the fruit) and glycine. The polymer is designated by CAS No. 1314879-21-4. Dimers of the reaction between genipin and glycine constitute the minor coloring components present in jagua (genipin-glycine) blue and are designated by CAS No. 1313734-13-2, CAS No. 104359-67-3, and CAS No. 1313734-14-3.

Dietary Exposure Estimate

Dietary Exposure for Jagua (Genipin-Glycine) Blue

Ecoflora is requesting that jagua (genipin-glycine) blue powder or liquid be used in certain foods at levels consistent with GMP. In order to estimate dietary exposure to jagua (genipin-glycine) blue from the proposed uses, Ecoflora provided the maximum use levels of jagua blue (genipin-glycine) powder that represent GMP for the proposed food uses (see Table 1 in the submission dated May 21, 2020 and Table 1, below). In the amendment dated November 23, 2021, Ecoflora stated that the use of the liquid form of jagua (genipin-glycine) blue would be substitutional for the powder form and that, on the polymer basis, the use levels are the same for both forms.

Table 1. Proposed Food Uses and Maximum Use Levels for Jagua (Genipin-Glycine) Blue Powder			
Food Category	Food Subcategory	Maximum Use Level of Jagua (Genipin-Glycine) Blue Powder in the Finished Food (%)	
		Intended color¹	
		Blue	Green, purple, brown
Flavored Milk	Flavored milk	0.040 ²	0.021 (green ² , purple, brown)
Dairy Drinks and Substitutes	Milk shakes	0.040	0.021 (green, purple, brown)
	Milk substitutes	0.040 ²	0.021 (green ² , purple ² , brown ²)
	Other dairy drinks	N/A	0.021 (green, purple, brown)
Yogurt	Regular and Greek yogurt	0.030	0.016 (green, purple, brown)
	Non-dairy yogurt	0.050	0.026 (green, purple, brown)
Desserts	Ice cream and frozen dairy and non-dairy desserts	0.100	0.053 (green, purple, brown)
	Pudding		0.021
	Gelatins, ices, sorbets	N/A	(green ² , purple ² , brown)
RTE Cereals		0.030	0.016
	Multi-colored RTE cereal	0.500	0.290 (green, purple, brown)
Savory Snacks	Flavored potato chips	N/A	0.154 ³ (green, brown)
	Tortilla, corn, other chips	0.300	0.154

Table 1. Proposed Food Uses and Maximum Use Levels for Jagua (Genipin-Glycine) Blue Powder			
Food Category	Food Subcategory	Maximum Use Level of Jagua (Genipin-Glycine) Blue Powder in the Finished Food (%)	
		Intended color¹	
		Blue	Green, purple, brown
			(green, purple, brown)
Candy	Candy (containing or not containing chocolate)	0.200 ⁴	0.103 ⁴ (green, purple, brown)
	Chewing gum	0.200	0.103 (green, purple, brown)
Non-alcoholic Beverages	Fruit based drinks (including fruit flavored drinks)	0.020	0.011 (green, purple, brown)
	Nutritional beverages	N/A	0.016 (green, purple, brown)
	Smoothies	N/A	0.016 (green, purple)
Fats and Oils	Flavored cream cheese-based spread	N/A	0.011 (green, purple, brown)
Jams, Syrups, Toppings	Icing and frosting; fruit toppings, fillings, and jam; syrup/toppings for beverages, desserts, and breakfast syrups	0.030	0.016 (green, purple, brown)
N/A = Not applicable; color not intended ¹ Intended color(s) in parenthesis are shown beneath the maximum use level for each proposed food use. ² Color use is seasonal. ³ Use level corresponds to the seasoning that could contain jagua (genipin-glycine) blue powder. ⁴ Use level corresponds to the portion of candy that could contain jagua (genipin-glycine) blue powder.			

The petition contains a dietary exposure assessment report that was prepared by Exponent on behalf of Ecoflora. Exponent estimated dietary exposure to jagua (genipin-glycine) blue using 2-day food consumption data from the 2013–2016 National Health and Nutrition Examination Survey (NHANES). Exponent reviewed the NHANES food codes for these survey years and identified those food codes corresponding to the food categories indicated in Table 1, above. Only those food codes that were reported as having consumers for the 2013–2016 survey years were included in the dietary exposure estimate. Exponent assumed that all NHANES food codes corresponding to the food categories in Table 1 would be colored with jagua (genipin-glycine) blue with the exception of the following: 1) chocolate flavored products and foods that have a standard of identity that do not allow for the addition of color additives (i.e., chocolate candy and portions of candy containing chocolate); 2) “home recipe” foods as indicated by the NHANES food description or foods that are typically homemade; and 3) baby foods, which are not a proposed use for jagua (genipin-glycine) blue.

Exponent noted that while food code 11560000 corresponding to chocolate milk drink would not contain jagua (genipin-glycine) blue, it was included in the dietary exposure estimate as a surrogate to represent a flavor other than chocolate because there were no other food codes corresponding to these milk drinks. In addition, while “home recipe” foods were excluded from the dietary exposure estimate, the food

codes representing “home recipe” milk shakes (11541120 and 11541135) were included in the dietary exposure estimate in order to account for the ice cream component that is typically purchased, not homemade.

Exponent provided a list of all food codes from the 2013–2016 NHANES that could contain jagua (genipin-glycine) blue (see Appendix I of the submission dated May 21, 2020). Exponent also provided a complete list of food codes that were excluded from the dietary exposure assessment (see Appendix II of the submission dated May 21, 2020). In a deficiency letter dated March 31, 2021, we asked for clarification regarding the exclusion of several food codes and the portions of foods that could contain jagua (genipin-glycine) blue identified for several other food codes. Exponent responded in a submission dated April 1, 2021, that provided a revised dietary exposure estimate including the additional food codes and correct portions of foods that could contain jagua (genipin-glycine) blue. Appendix 1, below, contains the complete list of food codes used in the dietary exposure estimate. We have no further questions regarding the food codes used in the dietary exposure estimate.

For most of the food codes, Exponent presumed that 100% of the food would contain jagua (genipin-glycine) blue at the maximum use levels.¹ However, for those food codes in which only a component of the food code would be expected to contain jagua (genipin-glycine) blue, only the portion of the food corresponding to this component was included in the dietary exposure estimate. To determine the portion (weight percent) of a food that could be attributed to the component containing jagua (genipin-glycine) blue, Exponent used the United States Department of Agriculture (USDA) Food and Nutrient Database for Dietary Studies (FNDDS), except for potato chips for which the portion that could contain jagua (genipin-glycine) blue was determined based on the U.S. Environmental Protection Agency (EPA) What We Eat In America-Food Commodity Intake Database (WWEIA-FCID). The maximum use levels (Table 1, above) were applied only to the portion of the foods that would contain jagua (genipin-glycine) blue. For example, food code 42302010 (Yogurt, Greek, with oats) contains the proposed use of jagua (genipin-glycine) blue in the yogurt component of the food. Exponent determined that the yogurt component accounts for 80% of the food and applied the maximum use levels only to the yogurt component for that food code.

The USDA’s FNDDS does not provide recipes that would allow for the determination of the portion of the icing and frosting component in baked goods or the seasoning component in flavored potato chips. Therefore, to approximate the portion of the icing/frosting or fruit filing component in baked goods, Exponent compared weights reported in USDA’s FNDDS for the food with the component that could contain jagua (genipin-glycine) blue and the corresponding food without the component, identified the highest contribution of the component, and rounded the resulting value up to the nearest 5%. For example, cupcakes (food codes 53120275 and 53120270) had the highest icing contribution (36%) among several types of frosted cakes.² After rounding to the nearest 5%, it was conservatively assumed that the icing and frosting component accounts for 40% of a frosted cake. Using a similar approach, Exponent determined that the average icing/frosting portion accounts for 30% in cookies and 20% in pastries, and that the average fruit filling portion accounts for 85% in pies and 55% in pastries. It was also presumed that a sandwich cracker would be similar that of a frosted/filled cookie and therefore, the average filling portion in sandwich crackers was assumed to be 30%.

¹ For non-reconstituted powder mixes of flavored milk and nutritional beverages, the percent was adjusted to the reconstituted beverage amount assuming the 'quantity not specified' portion weight value from USDA’s FNDDS to make a 250 g serving of beverage.

² The weight of white cake or cupcake was determined to be 66 g (with icing or filing; food code 53120270) and 42 g (without icing or filing; food code 53120275). Therefore, the percent of icing/frosting used as icing or filing was determined as follows: % icing/frosting = $[(66-42)/66] \times 100\% = 36\%$.

To determine the portion of flavored chips that could contain jagua (genipin-glycine) blue, Exponent used the EPA's WWEIA-FCID recipe for food code 54401080 (salty snacks, corn or cornmeal base, tortilla chips) as a representative recipe for potato chips. Using the recipe, Exponent estimated that the non-grain ingredients account for 23% of the food and, after rounding the value to the nearest 5%, assumed that 25% represents the seasoning portion on flavored potato chips.

For candy, if the food product was candy-coated (and presumed to contain jagua (genipin-glycine) blue) with a non-colored interior, the candy-coating portion of the candy was determined using USDA's FNDDS food weights data and comparing the weights of 1 cup of M&M's milk chocolate candies and 1 cup of milk chocolate candy, plain.³ Exponent rounded the resulting value up to the nearest 5% and conservatively presumed that all enrobed candies consisted of 20% coating that could contain jagua (genipin-glycine) blue.

Exponent used a similar approach for other candy products. For chocolate-coated candies where the interior portion could be colored, USDA's FNDDS food weights data for a plain marshmallow and a chocolate covered marshmallow were used to determine the portion corresponding to the candy interior. Exponent estimated that the candy interior that could contain jagua (genipin-glycine) blue was 65% of chocolate-covered products.

For yogurt-covered raisins, using USDA's FNDDS food weights data for a yogurt covered raisin and an uncoated raisin, Exponent estimated that 60% of yogurt-coated raisins would be the yogurt coating that could contain jagua (genipin-glycine) blue.

For yogurt- and sugar-coated nuts, Exponent used USDA's FNDDS food weights data for uncoated almonds and yogurt-covered or sugar-coated almonds and, in a similar manner to that described above, determined that for both types of coated nuts, the coating that could contain jagua (genipin-glycine) blue was presumed to be 70% of the food.

For other non-chocolate candy products that did not fit into one of the candy categories mentioned above, Exponent presumed that 100% of the candy could contain jagua (genipin-glycine) blue. Plain chocolate candy and candy containing chocolate and a non-candy component (e.g., chocolate covered raisins) were excluded because the standards of identity for chocolate and white chocolate do not allow for the addition of color additives. In addition, candy bar brands typically not colored blue, green, purple, or brown were also excluded.

Exponent adjusted the jagua (genipin-glycine) blue use levels taking into consideration that the intended use of jagua (genipin-glycine) blue is to impart color and only food products that are visibly blue or colored products that contain a blue coloring to create a desired color (e.g., green, purple, or brown) would contain jagua (genipin-glycine) blue. To determine the percent of food products within a given food category that would be expected to contain an intended color, Exponent reviewed representative food products online and for each product reviewed, categorized the product into three color groups: 1) blue, 2) green, purple, or brown, and 3) all other colors based on a visual inspection of the product image. The percent of food products in color groups 1) and 2) was rounded up to the nearest 5% and the remaining percentage was assigned to color group 3). If the products reviewed were not colored blue, Exponent conservatively assumed the percentage assigned to the blue color group to be half of the percentage corresponding to the green, purple, or brown color group (Appendix III of the submission

³ The weights of one cup of M&M's milk chocolate candies (food code 91746100) and one cup of plain chocolate candy (food code 91705010) were determined to be 208 g and 168 g, respectively. Therefore, the percent of candy coating was determined as follows: % candy coating = $[(208-168)/208] \times 100\% = 19\%$.

dated May 21, 2020). In addition, Exponent applied an additional adjustment factor of 0.5 to foods for which the intended color is seasonal. The factor of 0.5 was chosen based on a conservative assumption that seasonal colors occur at most two out of four seasons. The percent of foods from each food category within the 1) blue and 2) green, purple, or brown color groups was multiplied by the corresponding maximum use level specified in Table 1, above, to determine the use levels for jagua (genipin-glycine) blue in foods within a given food category (Table 3 in the submission dated May 21, 2020). Finally, the use levels were further adjusted based on the portion (weight percent) of the finished food that would contain the intended color. The use levels for all food codes included in the dietary exposure estimate can be found in Appendix 1, below.

Exponent estimated an eaters-only dietary exposure to jagua (genipin-glycine) blue powder using 2-day food consumption data from the 2013-2016 NHANES, the maximum use levels for jagua (genipin-glycine) blue powder provided in Table 1, above, the portion (weight percent) of the food that would be colored with jagua (genipin-glycine) blue, and the percent of the foods in a given food category that would contain the intended color (see the Excel file provided in the submission dated May 21, 2020 and Appendix 1, below). An eaters-only dietary exposure to jagua (genipin-glycine) blue powder was estimated for the U.S. population aged 2 years and older, as well as for children aged 2–5 years, children aged 6–12 years, adolescents aged 13–18 years, and adults 19 years and older (Table 4 of the submission dated May 21, 2020 and Table 1 of the submission dated April 1, 2021). The eaters-only dietary exposure for jagua (genipin-glycine) blue powder from the proposed uses is presented in Table 2, below.

Table 2. Eaters-Only Dietary Exposure to Jagua (Genipin-Glycine) Blue Powder from the Proposed Uses			
Population	% Eaters	Mean (mg/p/d)	90th Percentile (mg/p/d)
U.S. Population aged 2 years and older	87	34	78
Children 2–5 years	97	34	76
Children 6–12 years	97	44	92
Adolescents 13–18 years	90	40	92
Adults 19 years and older	84	31	74

Dietary Exposure to the Polymer Component of Jagua (Genipin-Glycine) Blue

We were requested to provide a dietary exposure to the polymer, the main coloring component in jagua (genipin-glycine) blue, from the proposed uses of jagua (genipin-glycine) blue.⁴ Ecoflora provided a specification limit for the polymer in jagua (genipin-glycine) blue powder of 20–40%. Because the proposed uses of the powder and liquid forms of jagua (genipin-glycine) blue are substitutional and their use levels are the same on the polymer basis, the dietary exposure to the polymer component is the same for the powder and liquid forms. Therefore, multiplying the dietary exposure to jagua (genipin-glycine) blue from the proposed uses (Table 2, above) by the maximum specification limit for the polymer component in the powder form of 40%, results in an upper-bound eaters-only dietary exposure to the polymer component (see Table 3, below).

⁴ See e-mail from A. Khan to R. Kolanos dated July 16, 2021.

Table 3. Eaters-Only Dietary Exposure to the Polymer Component from the Proposed Uses of Jagua (Genipin-Glycine) Blue			
Population	% Eaters	Mean (mg/p/d)	90th Percentile (mg/p/d)
U.S. Population aged 2 years and older	87	14	31
Children 2–5 years	97	14	30
Children 6–12 years	97	18	37
Adolescents 13–18 years	90	16	37
Adults 19 years and older	84	12	30

Conclusion

In this memorandum, the eaters-only dietary exposure to jagua (genipin-glycine) blue powder from the proposed uses was estimated to be 34 mg/p/d at the mean and 78 mg/p/d at the 90th percentile for the U.S. population aged 2 years and older and 34 mg/p/d at the mean and 76 mg/p/d at the 90th percentile for children aged 2–5 years (Table 2, above). The eaters-only dietary exposure to the polymer component of the powder or liquid form of jagua (genipin-glycine) blue was estimated to be 14 mg/p/d at the mean and 31 mg/p/d at the 90th percentile for the U.S. population aged 2 years and older and 14 mg/p/d at the mean and 30 mg/p/d at the 90th percentile for children aged 2–5 years (Table 3 above). Eaters-only exposures to jagua (genipin-glycine) blue powder and the polymer component of the powder or liquid form of jagua (genipin-glycine) blue were also estimated for children 6–12 years, adolescents 13–18 years, and adults 19 years and older (Tables 2 and 3 above).

We have no further questions regarding the dietary exposure estimate. The petition is suitable for regulation with respect to the exposure-related information.

Renata Kolanos, Ph.D.

(R/F)

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Appendix 1. NHANES Food Codes Used in the Dietary Exposure Estimate for Jagua (Genipin-Glycine) Blue

NHANES Food Code	NHANES Food Description	Proposed Food Category	Proposed Food Subcategory	% of Food that Could Contain Jagua (Genipin-Glycine) Blue	% of Foods in a Given Food Category that Could be Colored		Maximum Use Level of Jagua (Genipin-Glycine) Blue Intended to Impart Color (%)		Jagua (Genipin-Glycine) Blue Use Level Used in the Dietary Exposure Estimate (mg/kg)
					Blue	Green, purple, brown	Blue	Green, purple, brown	
11115400	Kefir, NS as to fat content	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80
11320000	Soy milk	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11320100	Soy milk, light	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11320200	Soy milk, nonfat	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11340000	Imitation milk, non-soy, sweetened	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11350000	Almond milk, sweetened	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11350020	Almond milk, unsweetened	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11360000	Rice milk	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11370000	Coconut milk	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11400000	Yogurt, NFS	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11400010	Yogurt, Greek, NS as to type of milk or flavor	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11410000	Yogurt, NS as to type of milk or flavor	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11420000	Yogurt, vanilla, NS as to type of milk	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11421000	Yogurt, vanilla, whole milk	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11422000	Yogurt, vanilla, low fat milk	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90

NHANES Food Code	NHANES Food Description	Proposed Food Category	Proposed Food Subcategory	% of Food that Could Contain Jagua (Genipin-Glycine) Blue	% of Foods in a Given Food Category that Could be Colored		Maximum Use Level of Jagua (Genipin-Glycine) Blue Intended to Impart Color (%)		Jagua (Genipin-Glycine) Blue Use Level Used in the Dietary Exposure Estimate (mg/kg)
					Blue	Green, purple, brown	Blue	Green, purple, brown	
11422100	Yogurt, vanilla, low fat milk, light	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11423000	Yogurt, vanilla, nonfat milk	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11424000	Yogurt, vanilla, nonfat milk, light	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11424500	Yogurt, Greek, vanilla, whole milk	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11424510	Yogurt, Greek, vanilla, low fat	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11424520	Yogurt, Greek, vanilla, nonfat	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11430000	Yogurt, NS as to type of milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11431000	Yogurt, whole milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11432000	Yogurt, low fat milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11432500	Yogurt, fruit, low fat milk, light	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11433000	Yogurt, nonfat milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11433500	Yogurt, fruit, nonfat milk, light	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11433990	Yogurt, Greek, NS as to type of milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11434000	Yogurt, Greek, whole milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11434010	Yogurt, Greek, low fat milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11434020	Yogurt, Greek, nonfat milk, fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90

NHANES Food Code	NHANES Food Description	Proposed Food Category	Proposed Food Subcategory	% of Food that Could Contain Jagua (Genipin-Glycine) Blue	% of Foods in a Given Food Category that Could be Colored		Maximum Use Level of Jagua (Genipin-Glycine) Blue Intended to Impart Color (%)		Jagua (Genipin-Glycine) Blue Use Level Used in the Dietary Exposure Estimate (mg/kg)
					Blue	Green, purple, brown	Blue	Green, purple, brown	
11434090	Yogurt, NS as to type of milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11434100	Yogurt, whole milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11434200	Yogurt, low fat milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11434300	Yogurt, nonfat milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11435000	Yogurt, Greek, NS as to type of milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11435010	Yogurt, Greek, whole milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11435020	Yogurt, Greek, low fat milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11435030	Yogurt, Greek, nonfat milk, flavors other than fruit	Yogurt	Yogurt, regular and Greek	100	15	25	0.030	0.016	90
11435100	Yogurt, Greek, with oats	Yogurt	Yogurt, regular and Greek	80	15	25	0.030	0.016	72
11436000	Yogurt, liquid	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80
11446000	Yogurt parfait, low fat, with fruit	Yogurt	Yogurt, regular and Greek	50	15	25	0.030	0.016	45
11459990	Yogurt, frozen, NS as to flavor, NS as to type of milk	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
11460000	Yogurt, frozen, flavors other than chocolate, NS as to type of milk	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360

NHANES Food Code	NHANES Food Description	Proposed Food Category	Proposed Food Subcategory	% of Food that Could Contain Jagua (Genipin-Glycine) Blue	% of Foods in a Given Food Category that Could be Colored		Maximum Use Level of Jagua (Genipin-Glycine) Blue Intended to Impart Color (%)		Jagua (Genipin-Glycine) Blue Use Level Used in the Dietary Exposure Estimate (mg/kg)
					Blue	Green, purple, brown	Blue	Green, purple, brown	
11460170	Yogurt, frozen, flavors other than chocolate, lowfat milk	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
11460250	Yogurt, frozen, flavors other than chocolate, with sorbet or sorbet-coated	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
11460300	Yogurt, frozen, flavors other than chocolate, nonfat milk	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
11460410	Yogurt, frozen, flavors other than chocolate, nonfat milk, with low-calorie sweetener	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
11461000	Yogurt, frozen, chocolate-coated	Desserts	Ice cream and frozen dairy desserts (including bars)	77.6	17.5	35	0.100	0.053	279.36
11461260	Yogurt, frozen, cone, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	87.805	17.5	35	0.100	0.053	316.098
11461270	Yogurt, frozen, cone, flavors other than chocolate, lowfat milk	Desserts	Ice cream and frozen dairy desserts (including bars)	94.125	17.5	35	0.100	0.053	338.85
11519040	Strawberry milk, NFS	Flavored milk	Flavored milk	100	10	40	0.040	0.021	120
11519050	Strawberry milk, whole	Flavored milk	Flavored milk	100	10	40	0.040	0.021	120
11519105	Strawberry milk, reduced fat	Flavored milk	Flavored milk	100	10	40	0.040	0.021	120
11519200	Strawberry milk, low fat	Flavored milk	Flavored milk	100	10	40	0.040	0.021	120
11519205	Strawberry milk, fat free	Flavored milk	Flavored milk	100	10	40	0.040	0.021	120
11519215	Strawberry milk, non-dairy	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
11531000	Eggnog, regular	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80

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11531500	Eggnog, lowfat / light	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80
11541120	Milk shake, home recipe, flavors other than chocolate	Dairy Drinks and Substitutes	Milk shakes	100	17.5	35	0.040	0.021	140
11541135	Milk shake, home recipe, flavors other than chocolate, light	Dairy Drinks and Substitutes	Milk shakes	100	17.5	35	0.040	0.021	140
11542200	Milk shake, fast food, flavors other than chocolate	Dairy Drinks and Substitutes	Milk shakes	100	17.5	35	0.040	0.021	140
11543010	Milk shake, bottled, flavors other than chocolate	Dairy Drinks and Substitutes	Milk shakes	100	17.5	35	0.040	0.021	140
11551050	Licuado or Batido	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
11553100	Fruit smoothie, NFS	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
11553110	Fruit smoothie, with whole fruit and dairy	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
11553120	Fruit smoothie, with whole fruit and dairy, added protein	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
11553130	Fruit smoothie juice drink, with dairy	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
11560000	Chocolate milk drink	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80
11830400	Strawberry beverage powder, dry mix, not reconstituted	Flavored milk	Flavored milk	1563	10	40	0.040	0.021	1875.6
13110000	Ice cream, NFS	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
13110100	Ice cream, regular, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13110120	Ice cream, rich, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13110200	Ice cream, soft serve, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13110220	Ice cream, soft serve, NS as to flavor	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13110320	Ice cream, no sugar added, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120050	Ice cream bar or stick, not chocolate covered or cake covered	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120100	Ice cream bar or stick, chocolate covered	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120110	Ice cream bar or stick, chocolate or caramel covered, with nuts	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120121	Ice cream bar or stick, rich ice cream, thick chocolate covering	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120130	Ice cream bar or stick, rich ice cream, chocolate covered, with nuts	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120300	Ice cream bar, cake covered	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360

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13120310	Ice cream bar, stick or nugget, with crunch coating	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120400	Ice cream bar or stick with fruit	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120500	Ice cream sandwich	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120550	Ice cream cookie sandwich	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120700	Ice cream cone with nuts, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	82.693	17.5	35	0.100	0.053	297.6948
13120710	Ice cream cone, chocolate covered, with nuts, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120720	Ice cream cone, chocolate covered or dipped, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	84.507	17.5	35	0.100	0.053	304.2252
13120730	Ice cream cone, no topping, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	94.286	17.5	35	0.100	0.053	339.4296
13120790	Ice cream sundae cone	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13120800	Ice cream soda, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	26.32	17.5	35	0.100	0.053	94.752
13121000	Ice cream sundae, NS as to topping, with whipped cream	Desserts	Ice cream and frozen dairy desserts (including bars)	57.69	17.5	35	0.100	0.053	207.684

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13121000	Ice cream sundae, NS as to topping, with whipped cream	Jams, syrups, toppings	Fruit toppings, fillings, and jam	30.6	15	40	0.030	0.016	33.66
13121100	Ice cream sundae, fruit topping, with whipped cream	Desserts	Ice cream and frozen dairy desserts (including bars)	53.27	17.5	35	0.100	0.053	191.772
13121100	Ice cream sundae, fruit topping, with whipped cream	Jams, syrups, toppings	Fruit toppings, fillings, and jam	30.6	15	40	0.030	0.016	33.66
13121300	Ice cream sundae, chocolate or fudge topping, with whipped cream	Desserts	Ice cream and frozen dairy desserts (including bars)	53.3 ²	17.5	35	0.100	0.053	191.88
13122100	Ice cream pie, no crust	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13122500	Ice cream pie, with cookie crust, fudge topping, and whipped cream	Desserts	Ice cream and frozen dairy desserts (including bars)	47.503	17.5	35	0.100	0.053	171.0108
13127000	Dippin' Dots, flash frozen ice cream snacks, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13130300	Light ice cream, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13130320	Light ice cream, no sugar added, NS as to flavor	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13130330	Light ice cream, no sugar added, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13130600	Light ice cream, soft serve, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
13130620	Light ice cream, soft serve cone, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	92.3 ²	17.5	35	0.100	0.053	332.28
13130700	Light ice cream, soft serve, blended with candy or cookies	Desserts	Ice cream and frozen dairy desserts (including bars)	100 ²	17.5	35	0.100	0.053	360
13135000	Ice cream sandwich, made with light ice cream, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13136000	Ice cream sandwich, made with light, no sugar added ice cream	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13140100	Light ice cream, bar or stick, chocolate coated	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13140110	Light ice cream, bar or stick, chocolate covered, with nuts	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13140500	Light ice cream, cone, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	92.308	17.5	35	0.100	0.053	332.3088
13140575	Light ice cream, no sugar added, cone, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	92.308	17.5	35	0.100	0.053	332.3088
13140660	Light ice cream, sundae, soft serve, chocolate or fudge topping, without whipped cream	Desserts	Ice cream and frozen dairy desserts (including bars)	75.152	17.5	35	0.100	0.053	270.5472
13140670	Light ice cream, sundae, soft serve, fruit topping, without whipped cream	Desserts	Ice cream and frozen dairy desserts (including bars)	75.15	17.5	35	0.100	0.053	270.54

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13140670	Light ice cream, sundae, soft serve, fruit topping, without whipped cream	Jams, syrups, toppings	Fruit toppings, fillings, and jam	24.85	15	40	0.030	0.016	27.335
13140680	Light ice cream, sundae, soft serve, not fruit or chocolate topping, without whipped cream	Desserts	Ice cream and frozen dairy desserts (including bars)	75.15	17.5	35	0.100	0.053	270.54
13140680	Light ice cream, sundae, soft serve, not fruit or chocolate topping, without whipped cream	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	24.85	10	45	0.030	0.016	24.85
13140700	Light ice cream, creamsicle or dreamsicle	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13140710	Light ice cream, creamsicle or dreamsicle, no sugar added	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13150000	Sherbet, all flavors	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13160160	Fat free ice cream, no sugar added, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13160400	Fat free ice cream, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13161000	Milk dessert bar, frozen, made from lowfat milk	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13161500	Milk dessert sandwich bar, frozen, made from lowfat milk	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
13161600	Milk dessert bar, frozen, made from lowfat milk and low calorie sweetener	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13161630	Light ice cream, bar or stick, with low-calorie sweetener, chocolate coated	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
13200110	Pudding, NFS	Desserts	Pudding	100	10	50	0	0.021	110
13210110	Pudding, bread	Desserts	Pudding	100	10	50	0	0.021	110
13210180	Pudding, Mexican bread	Desserts	Pudding	100	10	50	0	0.021	110
13210270	Custard, Puerto Rican style	Desserts	Pudding	100	10	50	0	0.021	110
13210280	Pudding, flavors other than chocolate, NS as to from dry mix or ready-to-eat	Desserts	Pudding	100	10	50	0	0.021	110
13210290	Pudding, flavors other than chocolate, low calorie, containing artificial sweetener, NS as to from dry mix or ready-to-eat	Desserts	Pudding	100	10	50	0	0.021	110
13210300	Custard	Desserts	Pudding	100	10	50	0	0.021	110
13210350	Flan	Desserts	Pudding	100	10	50	0	0.021	110
13210410	Pudding, rice	Desserts	Pudding	100	10	50	0	0.021	110
13210450	Pudding, rice flour, and nuts	Desserts	Pudding	100	10	50	0	0.021	110
13210520	Pudding, tapioca, made from dry mix, made with milk	Desserts	Pudding	100	10	50	0	0.021	110
13210610	Pudding, coconut	Desserts	Pudding	100	10	50	0	0.021	110

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13210750	Pudding, pumpkin	Desserts	Pudding	100	10	50	0	0.021	110
13210810	Pumpkin pudding, Puerto Rican style	Desserts	Pudding	100	10	50	0	0.021	110
13210820	Fresh corn custard, Puerto Rican style	Desserts	Pudding	100	10	50	0	0.021	110
13220110	Pudding, flavors other than chocolate, prepared from dry mix, milk added	Desserts	Pudding	100	10	50	0	0.021	110
13220210	Pudding, flavors other than chocolate, prepared from dry mix, low calorie, containing artificial sweetener, milk added	Desserts	Pudding	100	10	50	0	0.021	110
13220240	Pudding, ready-to-eat, flavors other than chocolate, reduced fat	Desserts	Pudding	100	10	50	0	0.021	110
13230110	Pudding, ready-to-eat, flavors other than chocolate	Desserts	Pudding	100	10	50	0	0.021	110
13230120	Pudding, ready-to-eat, low calorie, containing artificial sweetener, flavors other than chocolate	Desserts	Pudding	100	10	50	0	0.021	110
13230200	Pudding, ready-to-eat, chocolate and non-chocolate flavors combined	Desserts	Pudding	100	10	50	0	0.021	110
13230500	Pudding, ready-to-eat, tapioca	Desserts	Pudding	100	10	50	0	0.021	110
13230510	Pudding, ready-to-eat, tapioca, fat free	Desserts	Pudding	100	10	50	0	0.021	110

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13241000	Pudding, with fruit and vanilla wafers	Desserts	Pudding	42.72	10	50	0	0.021	46.992
13250100	Mousse, not chocolate	Desserts	Pudding	100	10	50	0	0.021	110
13252200	Milk dessert or milk candy, Puerto Rican style	Desserts	Pudding	100	10	50	0	0.021	110
14420200	Cheese spread, cream cheese, regular	Fats and Oils	Cream cheese-based spread, flavored	100	0	80	0	0.011	90
14420210	Cheese spread, cream cheese, light or lite	Fats and Oils	Cream cheese-based spread, flavored	100	0	80	0	0.011	90
28143200	Chicken in soy-based sauce, rice and vegetables, frozen meal	Jams, syrups, toppings	Fruit toppings, fillings, and jam	0.6	15	40	0.030	0.016	0.66
32401000	Meringues	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
41310900	Bean chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
41410015	Soy chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
41420380	Yogurt, soy	Yogurt	Yogurt, dairy alternative	100	15	25	0.050	0.026	140
41480000	Tofu, frozen dessert, flavors other than chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
42203000	Peanut butter and jelly	Jams, syrups, toppings	Fruit toppings, fillings, and jam	50	15	40	0.030	0.016	55
42302010	Peanut butter and jelly sandwich, NFS	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302015	Peanut butter and jelly sandwich, with regular peanut butter, regular jelly, on white bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302020	Peanut butter and jelly sandwich, with regular	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
	peanut butter, regular jelly, on wheat bread								
42302025	Peanut butter and jelly sandwich, with regular peanut butter, regular jelly, on whole wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302055	Peanut butter and jelly sandwich, with reduced fat peanut butter, regular jelly, on white bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302060	Peanut butter and jelly sandwich, with reduced fat peanut butter, regular jelly, on wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302065	Peanut butter and jelly sandwich, with reduced fat peanut butter, regular jelly, on whole wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302105	Peanut butter and jelly sandwich, with regular peanut butter, reduced sugar jelly, on white bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302110	Peanut butter and jelly sandwich, with regular peanut butter, reduced sugar jelly, on wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302115	Peanut butter and jelly sandwich, with regular peanut butter, reduced	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646

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	sugar jelly, on whole wheat bread								
42302155	Peanut butter and jelly sandwich, with reduced fat peanut butter, reduced sugar jelly, on white bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302160	Peanut butter and jelly sandwich, with reduced fat peanut butter, reduced sugar jelly, on wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42302165	Peanut butter and jelly sandwich, with reduced fat peanut butter, reduced sugar jelly, on whole wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42303100	Peanut butter and jelly sandwich, frozen commercial product without crusts	Jams, syrups, toppings	Fruit toppings, fillings, and jam	17.86	15	40	0.030	0.016	19.646
42401100	Yogurt, coconut milk	Yogurt	Yogurt, dairy alternative	100	15	25	0.050	0.026	140
42404010	Coconut water, sweetened	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
51160110	Roll, sweet, cinnamon bun, frosted	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
51161020	Roll, sweet, with fruit, frosted	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
51161050	Roll, sweet, frosted	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
51161270	Pan Dulce, with sugar topping	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
51161280	Pan Dulce, with raisins and icing	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
51165000	Coffee cake, yeast type	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
51166500 ¹	Croissant, fruit	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53100100	Cake or cupcake, NS as to type	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53101200	Cake, angel food, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53101250	Cake, angel food, with fruit and icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53102200	Cake or cupcake, applesauce, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53102700	Cake or cupcake, banana, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53102800	Cake or cupcake, Black Forest	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53104260	Cake or cupcake, carrot, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53104400	Cake or cupcake, coconut, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53105270	Cake or cupcake, chocolate, devil's food or fudge, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53105300	Cake or cupcake, German chocolate, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53105500	Cake, chocolate, with icing, diet	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53108200	Snack cake, chocolate, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32

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53108220	Snack cake, chocolate, with icing or filling, reduced fat and calories	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53109200	Snack cake, not chocolate, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53111000	Cake or cupcake, gingerbread	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53112000	Cake, ice cream and cake roll, chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	41.63	17.5	35	0.100	0.053	149.868
53112100	Cake, ice cream and cake roll, not chocolate	Desserts	Ice cream and frozen dairy desserts (including bars)	41.63	17.5	35	0.100	0.053	149.868
53113000	Cake, jelly roll	Jams, syrups, toppings	Fruit toppings, fillings, and jam	22.22	15	40	0.030	0.016	24.442
53114100	Cake or cupcake, lemon, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53115200	Cake or cupcake, marble, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53115320	Cake or cupcake, nut, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53115410	Cake or cupcake, oatmeal	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53115450	Cake or cupcake, peanut butter	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53116020	Cake, pound, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53116510	Cake or cupcake, pumpkin, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53116550	Cake or cupcake, raisin-nut	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32

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53117200	Cake or cupcake, spice, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53118200	Cake, sponge, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53118300	Cake, sponge, chocolate	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53118500	Cake, torte	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53118550	Cake, tres leche	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53120270	Cake or cupcake, white, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53121270	Cake or cupcake, yellow, with icing or filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53123070 ¹	Cake, shortcake, sponge type, with whipped cream and fruit	Jams, syrups, toppings	Icing & frosting	40	10	30	0.03	0.016	32
53123080	Cake, shortcake, sponge type, with fruit	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53124110	Cake or cupcake, zucchini	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53201000 ¹	Cookie, NFS	Jams, syrups, toppings	Icing & frosting	30	10	30	0.03	0.016	24
53204000	Cookie, brownie, NS as to icing	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53204100	Cookie, brownie, with icing or filling	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53204840 ¹	Cookie, brownie, reduced fat, NS as to icing	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53205250 ¹	Cookie, butterscotch, brownie	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53206100	Cookie, chocolate chip sandwich	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24

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53208000	Cookie, marshmallow, chocolate-covered	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53208200	Cookie, marshmallow pie, chocolate covered	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53209005	Cookie, chocolate, with icing or coating	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53209010	Cookie, sugar wafer, chocolate-covered	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53209015	Cookie, chocolate sandwich	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53209020	Cookie, chocolate sandwich, reduced fat	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53209100	Cookie, chocolate, sandwich, with extra filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53209500	Cookie, chocolate and vanilla sandwich	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53210900	Cookie, graham cracker with chocolate and marshmallow	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53220000	Cookie, fruit-filled bar	Jams, syrups, toppings	Fruit toppings, fillings, and jam	30	15	40	0.030	0.016	33
53220010	Cookie, fruit-filled bar, fat free	Jams, syrups, toppings	Fruit toppings, fillings, and jam	30	15	40	0.030	0.016	33
53220030	Cookie, fig bar	Jams, syrups, toppings	Fruit toppings, fillings, and jam	30	15	40	0.030	0.016	33
53220040	Cookie, fig bar, fat free	Jams, syrups, toppings	Fruit toppings, fillings, and jam	30	15	40	0.030	0.016	33
53224250	Cookie, lemon bar	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53225000	Cookie, macaroon	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53226000	Cookie, marshmallow, with coconut	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24

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53226500	Cookie, marshmallow, with rice cereal, no bake	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53226550	Cookie, marshmallow, with rice cereal and chocolate chips	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53233000	Cookie, oatmeal	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53233010	Cookie, oatmeal, with raisins	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53233040 ¹	Cookie, oatmeal, reduced fat, NS as to raisins	Jams, syrups, toppings	Icing & frosting	30	10	30	0.03	0.016	24
53233050	Cookie, oatmeal sandwich, with creme filling	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53233080	Cookie, oatmeal sandwich, with peanut butter and jelly filling	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53234100	Cookie, peanut butter, with chocolate	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53234250	Cookie, peanut butter with rice cereal, no bake	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53235000	Cookie, peanut butter sandwich	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53235500	Cookie, with peanut butter filling, chocolate-coated	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53237010	Cookie, raisin sandwich, cream-filled	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53238000	Cookie, sandwich-type, not chocolate or vanilla	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53239050	Cookie, shortbread, with icing or filling	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53239100	Pocky	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24

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53240000	Cookie, animal	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53240010	Cookie, animal, with frosting or icing	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53242000	Cookie, sugar wafer	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53243000	Cookie, vanilla sandwich	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53243010	Cookie, vanilla sandwich, extra filling	Jams, syrups, toppings	Icing & frosting	40	10	30	0.030	0.016	32
53243050	Cookie, vanilla sandwich, reduced fat	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53244020	Cookie, butter or sugar, with icing or filling other than chocolate	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53247000	Cookie, vanilla wafer	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53247050	Cookie, vanilla wafer, reduced fat	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53260300	Cookie, sandwich, sugar free	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53260500	Cookie, sugar wafer, sugar free	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24
53300100	Pie, NFS	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53300170	Pie, individual size or tart, NFS	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53301000	Pie, apple, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53301070	Pie, apple, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53301080	Pie, apple, fried pie	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5

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53301500	Pie, apple, one crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53303000	Pie, blackberry, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53303500	Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry; two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53303570	Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53304000	Pie, blueberry, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53304050	Pie, blueberry, one crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53304070	Pie, blueberry, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53305000	Pie, cherry, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53305010	Pie, cherry, one crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53305070	Pie, cherry, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53305700	Pie, lemon, not cream or meringue	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53305720	Pie, lemon, not cream or meringue, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53306000	Pie, mince, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53307000	Pie, peach, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5

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53307050	Pie, peach, one crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53307070	Pie, peach, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53308000	Pie, pineapple, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53309000	Pie, raisin, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53310050	Pie, raspberry, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53311000	Pie, rhubarb, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53311050	Pie, rhubarb, one crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53311070	Pie, rhubarb, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53312000	Pie, strawberry, one crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53313000	Pie, strawberry-rhubarb, two crust	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53314000	Pie, strawberry, individual size or tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53341000	Pie, banana cream	Desserts	Pudding	85	10	50	0	0.021	93.5
53341750	Pie, chess	Jams, syrups, toppings	Fruit toppings, fillings, and jam	85	15	40	0.030	0.016	93.5
53343000	Pie, coconut cream	Desserts	Pudding	85	10	50	0	0.021	93.5
53343070	Pie, coconut cream, individual size or tart	Desserts	Pudding	85	10	50	0	0.021	93.5
53344000	Pie, custard	Desserts	Pudding	85	10	50	0	0.021	93.5
53344200	Mixed fruit tart filled with custard or cream cheese	Desserts	Pudding	6.392	10	50	0	0.021	7.0312

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53344200	Mixed fruit tart filled with custard or cream cheese	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53344300	Dessert pizza	Jams, syrups, toppings	Fruit toppings, fillings, and jam	15.66	15	40	0.030	0.016	17.226
53345000	Pie, lemon cream	Desserts	Pudding	85	10	50	0	0.021	93.5
53345070	Pie, lemon cream, individual size or tart	Desserts	Pudding	85	10	50	0	0.021	93.5
53346000	Pie, peanut butter cream	Desserts	Pudding	85	10	50	0	0.021	93.5
53346500	Pie, pineapple cream	Desserts	Pudding	85	10	50	0	0.021	93.5
53347000	Pie, pumpkin	Desserts	Pudding	85	10	50	0	0.021	93.5
53347070	Pie, pumpkin, individual size or tart	Desserts	Pudding	85	10	50	0	0.021	93.5
53347600	Pie, squash	Desserts	Pudding	85	10	50	0	0.021	93.5
53348000	Pie, strawberry cream	Desserts	Pudding	85	10	50	0	0.021	93.5
53360000	Pie, sweet potato	Desserts	Pudding	85	10	50	0	0.021	93.5
53365000	Pie, vanilla cream	Desserts	Pudding	85	10	50	0	0.021	93.5
53366000	Pie, yogurt, frozen	Desserts	Ice cream and frozen dairy desserts (including bars)	85	17.5	35	0.100	0.053	306
53381000	Pie, lemon meringue	Desserts	Pudding	85	10	50	0	0.021	93.5
53386000	Pie, pudding, flavors other than chocolate	Desserts	Pudding	70.95	10	50	0	0.021	78.045
53410100	Cobbler, apple	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53410300	Cobbler, berry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53410500	Cobbler, cherry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53410800	Cobbler, peach	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
53410860	Cobbler, pineapple	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53410900	Cobbler, rhubarb	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53415100	Crisp, apple, apple dessert	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53415120	Fritter, apple	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53415200	Fritter, banana	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53415220	Fritter, berry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53415400	Crisp, cherry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53415500	Crisp, peach	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53420100	Cream puff, eclair, custard or cream filled, not iced	Desserts	Pudding	55	10	50	0	0.021	60.5
53420200	Cream puff, eclair, custard or cream filled, iced	Desserts	Pudding	55	10	50	0	0.021	60.5
53420200	Cream puff, eclair, custard or cream filled, iced	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53430000 ¹	Crepe, NS as to filling	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53430200	Crepe, fruit filled	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53430750	Tamale, sweet, with fruit	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53440000	Strudel, apple	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5

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53440300	Strudel, berry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53440500	Strudel, cherry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53440600	Strudel, cheese	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53450000	Turnover or dumpling, apple	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53450300	Turnover or dumpling, berry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53450500	Turnover or dumpling, cherry	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53450800	Turnover or dumpling, lemon	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53451500	Turnover, guava	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53452100	Pastry, fruit-filled	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53452170	Pastry, cookie type, fried	Jams, syrups, toppings	Fruit toppings, fillings, and jam	5.7	15	40	0.030	0.016	6.27
53452420	Pastry, puff, custard or cream filled, iced or not iced	Desserts	Pudding	55	10	50	0	0.021	60.5
53452420	Pastry, puff, custard or cream filled, iced or not iced	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53453150	Empanada, Mexican turnover, fruit-filled	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53510000	Danish pastry, plain or spice	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53510100	Danish pastry, with fruit	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53510100	Danish pastry, with fruit	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5

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53511000 ¹	Danish pastry, with cheese	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53520110	Doughnut, cake type	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53520120	Doughnut, chocolate, cake type	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53521110	Doughnut, raised or yeast	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53521120	Doughnut, chocolate, raised or yeast	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53521140	Doughnut, jelly	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53521140	Doughnut, jelly	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53521210	Doughnut, custard-filled	Desserts	Pudding	55	10	50	0	0.021	60.5
53521210	Doughnut, custard-filled	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53521230	Doughnut, custard-filled, with icing	Desserts	Pudding	55	10	50	0	0.021	60.5
53521230	Doughnut, custard-filled, with icing	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53530000	Breakfast tart	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53530010	Breakfast tart, lowfat	Jams, syrups, toppings	Fruit toppings, fillings, and jam	55	15	40	0.030	0.016	60.5
53610100	Coffee cake, crumb or quick-bread type	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
53610200 ¹	Coffee cake, crumb or quick-bread type, cheese-filled	Jams, syrups, toppings	Icing & frosting	20	10	30	0.030	0.016	16
54102200	Graham crackers, sandwich, with filling	Jams, syrups, toppings	Icing & frosting	30	10	30	0.030	0.016	24

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54318000	Chips, rice	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401010	Salty snacks, corn or cornmeal base, nuts or nuggets, toasted	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401011	Corn nuts	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401020	Salty snacks, corn or cornmeal base, corn chips, corn-cheese chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401026	Corn chips, flavored	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401035	Corn chips, flavored (Fritos)	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401050	Salty snacks, corn or cornmeal base, corn puffs and twists; corn-cheese puffs and twists	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401055	Cheese flavored corn snacks	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401065	Cheese flavored corn snacks, reduced fat	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401080	Salty snacks, corn or cornmeal base, tortilla chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401081	Cheese flavored corn snacks (Cheetos)	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401085	Tortilla chips, flavored	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401090	Corn chips, reduced sodium	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401100	Salty snacks, corn or cornmeal base, tortilla	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520

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	chips, light (baked with less oil)								
54401110	Tortilla chips, nacho cheese flavor (Doritos)	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401111	Tortilla chips, cool ranch flavor (Doritos)	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401112	Tortilla chips, other flavors (Doritos)	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401120	Salty snacks, corn or cornmeal base, tortilla chips, fat free, made with Olean	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401122	Tortilla chips, reduced fat, flavored	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401150	Salty snacks, corn or cornmeal base, tortilla chips, lowfat, baked without fat	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401170	Tortilla chips, low fat, unsalted	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54401210	Salty snacks, corn-based puffs and twists, cheese puffs and twists, lowfat	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54402080	Tortilla chips, reduced sodium	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54402200	Snack mix	Savory snacks and crackers	Tortilla, corn, other chips	23.19	25	50	0.300	0.154	352.488
54402600	Salty snacks, multigrain, whole grain, chips (made with whole corn, whole wheat, rice flour, and whole oat flour)	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54402610	Potato chips, restructured, multigrain	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155

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54404010	Popcorn chips, other flavors	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54404020	Popcorn chips, sweet flavors	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54406010	Onion flavored rings	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54406200	Shrimp chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54420210	Multigrain chips (Sun Chips)	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
54440020	Cracker chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
55801010	Funnel cake with sugar and fruit	Jams, syrups, toppings	Fruit toppings, fillings, and jam	24.23	15	40	0.030	0.016	26.653
56205230	Rice dessert bar, frozen, flavors other than chocolate, nondairy, carob covered	Desserts	Ice cream and frozen dairy desserts (including bars)	100	17.5	35	0.100	0.053	360
57000000	Cereal, NFS	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57000100	Cereal, oat, NFS	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57100100	Cereal, ready-to-eat, NFS	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57103000	Cereal (Post Alpha-Bits)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57103020	Alpha-bits with marshmallows	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57104000	Cereal (Kellogg's Apple Jacks)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57106250	Cereal (General Mills Kix Berry Berry)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57106260	Cereal (General Mills Cheerios Berry Burst)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770

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57107000	Cereal (General Mills Boo Berry)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57117000	Cereal (Quaker Cap'n Crunch)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57119000	Cereal (Quaker Cap'n Crunch's Crunchberries)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57124300	Cereal (General Mills Lucky Charms Chocolate)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57201900	Cereal (General Mills Dora The Explorer)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57211000	Cereal (General Mills Frankenberry)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57213000	Cereal (Kellogg's Froot Loops)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57213010	Cereal (Kellogg's Froot Loops Marshmallow)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57214000	Cereal (Kellogg's Frosted Mini-Wheats)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57214100	Frosted Wheat Bites	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57219000	Cereal, fruit and fiber	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57221700	Cereal, fruit rings	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57221800	Cereal, fruit whirls	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57221810	Cereal (General Mills Cheerios Fruity)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57223000	Cereal (Post Fruity Pebbles)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57239000	Honeycomb, strawberry	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770

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57301535	Cereal (Kashi Heart to Heart Oat Flakes and Blueberry Clusters)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57305100	Cereal (General Mills Lucky Charms)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57305150	Cereal, frosted oat cereal with marshmallows	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57305174	Cereal (Malt-O-Meal Colossal Crunch)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57305300	Cereal (Malt-O-Meal Fruity Dyno-Bites)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57305600	Cereal (Malt-O-Meal Marshmallow Mateys)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57306800	Cereal (Malt-O-Meal Tootie Fruities)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57344001	Cereal (Kellogg's Special K Blueberry)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57344010	Cereal (Kellogg's Special K Red Berries)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57344015	Cereal (Kellogg's Special K Fruit & Yogurt)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57407100	Cereal (General Mills Trix)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57407110	Cereal (General Mills 25% Less Sugar Trix)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
57419000	Cereal (General Mills Cheerios Yogurt Burst)	Cereals, RTE	RTE cereal, multi-colored	100	15	35	0.500	0.290	1770
58157210	Rice pudding made with coconut milk, Puerto Rican style	Desserts	Pudding	100	10	50	0	0.021	110
58201005	Jelly sandwich, regular jelly, on white bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	40	15	40	0.030	0.016	44
58201015	Jelly sandwich, regular jelly, on wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	40	15	40	0.030	0.016	44

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58201025	Jelly sandwich, regular jelly, on whole wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	40	15	40	0.030	0.016	44
58201045	Jelly sandwich, reduced sugar jelly, on wheat bread	Jams, syrups, toppings	Fruit toppings, fillings, and jam	40	15	40	0.030	0.016	44
61113500	Lemon pie filling	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
63113030	Cherry pie filling	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
63402990	Fruit salad, including citrus fruits, with pudding	Desserts	Pudding	22.28	10	50	0	0.021	24.508
63403000	Fruit salad, excluding citrus fruits, with pudding	Desserts	Pudding	22.71	10	50	0	0.021	24.981
63403100 ¹	Fruit dessert with cream and/or pudding and nuts	Desserts	Pudding	58.4	10	50	0	0.021	64.24
63420110	Fruit juice bar, frozen, flavor other than orange	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
63430100	Sorbet, fruit, noncitrus flavor	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
63430500	Fruit juice bar with cream, frozen	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
64134015	Fruit smoothie, with whole fruit, no dairy	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
64134020	Fruit smoothie, with whole fruit, no dairy, added protein	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
64134030	Fruit smoothie juice drink, no dairy	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
64134100	Fruit smoothie, light	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
64134200	Fruit smoothie, bottled	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
64200100	Fruit nectar, NFS	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64201010	Apricot nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64201500	Banana nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64202010	Cantaloupe nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64203020	Guava nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64204010	Mango nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64205010	Peach nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64210010	Papaya nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64215010	Pear nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
64221010	Soursop, nectar	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
71200010	Potato chips, NFS	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200110	Potato chips, barbecue flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155

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71200120	Potato chips, sour cream and onion flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200130	Potato chips, cheese flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200140	Potato chips, other flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200210	Potato chips, ruffled, barbecue flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200220	Potato chips, ruffled, sour cream and onion flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200230	Potato chips, ruffled, cheese flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200240	Potato chips, ruffled, other flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200310	Potato chips, restructured, flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71200410	Potato chips, baked, flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201015	White potato chips, regular cut	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201020	White potato chips, ruffled, rippled, or crinkle cut	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201050	Potato chips, reduced fat	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201060	Potato chips, fat free	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201080	White potato, chips, fat free	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201090	White potato, chips, fat free, made with Olean	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201100	White potato, chips, restructured	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155

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71201200	Potato chips, restructured, reduced fat, lightly salted	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201210	Potato chips, restructured, fat free	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71201250	White potato, chips, restructured, baked	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71202000	Potato chips, unsalted	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71202100	Potato chips, reduced fat, unsalted	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71202500	Potato chips, lightly salted	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71202510	Potato chips, restructured, lightly salted	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71203020	Potato chips, popped, flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71204000	Potato puffs, cheese-filled	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71205000	White potato, sticks	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71205030	Potato sticks, flavored	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71205040	Potato sticks, fry shaped	Savory snacks and crackers	Potato chips, flavored	25	20	40	0	0.154	155
71220000	Vegetable chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
71905410	Plantain chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
73406010	Sweet potato with fruit	Jams, syrups, toppings	Fruit toppings, fillings, and jam	5.62	15	40	0.030	0.016	6.182
73410210	Sweet potato chips	Savory snacks and crackers	Tortilla, corn, other chips	100	25	50	0.300	0.154	1520
78101100	Fruit and vegetable smoothie	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20

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78101110	Fruit and vegetable smoothie, added protein	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
78101120	Fruit and vegetable smoothie, bottled	Non-alcoholic beverages	Smoothies	100	10	15	0	0.016	20
91300010	Syrup, NFS	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91300100	Pancake syrup, NFS	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91301020	Cane and corn pancake syrup	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91301040	Buttered blends syrup	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91301050	Fruit syrup	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91301130	Fruit flavored syrup used for milk beverages	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91301250	Maple and corn and/or cane pancake syrup blends	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91301510	Syrup, pancake, reduced calorie	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91304010	Topping, butterscotch or caramel	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91304030	Topping, fruit	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110

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91304040	Topping, marshmallow	Jams, syrups, toppings	Icing & frosting	100	10	30	0.030	0.016	80
91304060	Topping, nuts and syrup	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91304070	Topping, peanut butter, thick, fudge type	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91304090	Topping, chocolate flavored hazelnut spread	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91305020	Icing, white	Jams, syrups, toppings	Icing & frosting	100	10	30	0.030	0.016	80
91306020	Caramel dip, regular	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91306040	Dessert dip	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91351010	Syrup, dietetic	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91351020	Topping, dietetic	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91361020	Fruit sauce	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91361040	Dessert sauce	Jams, syrups, toppings	Syrups/toppings for beverages, desserts, and breakfast syrups	100	10	45	0.030	0.016	100
91401000	Jelly, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91402000	Jam, preserve, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110

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91403000	Fruit butter, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91404000	Marmalade, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91405000	Jelly, sugar free, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91405500	Jelly, reduced sugar, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91406000	Jam, preserve, marmalade, sugar free, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91406500	Jam, preserve, marmalade, sweetened with fruit juice concentrates, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91406600	Jam, preserve, marmalade, reduced sugar, all flavors	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91407100	Guava paste	Jams, syrups, toppings	Fruit toppings, fillings, and jam	100	15	40	0.030	0.016	110
91501010	Gelatin dessert	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
91501020	Gelatin dessert with fruit	Desserts	Gelatins, ices, sorbets	65.002	10	30	0.030	0.016	52.0016
91501030	Gelatin dessert with whipped cream	Desserts	Gelatins, ices, sorbets	92.754	10	30	0.030	0.016	74.2032
91501050	Gelatin dessert with cream cheese	Desserts	Gelatins, ices, sorbets	92.697	10	30	0.030	0.016	74.1576
91501060	Gelatin dessert with sour cream	Desserts	Gelatins, ices, sorbets	77.876	10	30	0.030	0.016	62.3008
91501090	Gelatin dessert with fruit, vegetable, and nuts	Desserts	Gelatins, ices, sorbets	61.566	10	30	0.030	0.016	49.2528
91511010	Gelatin dessert, dietetic, sweetened with low calorie sweetener	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80

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91511020	Gelatin dessert, dietetic, with fruit, sweetened with low calorie sweetener	Desserts	Gelatins, ices, sorbets	60.858	10	30	0.030	0.016	48.6864
91511030	Gelatin dessert, dietetic, with whipped topping, sweetened with low calorie sweetener	Desserts	Gelatins, ices, sorbets	92.126	10	30	0.030	0.016	73.7008
91511050	Gelatin dessert, dietetic, with cream cheese, sweetened with low calorie sweetener	Desserts	Gelatins, ices, sorbets	86.475	10	30	0.030	0.016	69.18
91511060	Gelatin dessert, dietetic, with sour cream, sweetened with low calorie sweetener	Desserts	Gelatins, ices, sorbets	77.059	10	30	0.030	0.016	61.6472
91520100	Yokan	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
91550300	Pineapple custard, Puerto Rican style	Desserts	Pudding	100	10	50	0	0.021	110
91601000	Ice, fruit	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
91611000	Ice pop	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
91611100	Ice pop, sweetened with low calorie sweetener	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
91621000	Snow cone	Desserts	Gelatins, ices, sorbets	100	10	30	0.030	0.016	80
91700010	Candy, NFS	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91700500	M&M's Almond Chocolate Candies	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91701020	Almonds, sugar-coated	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91701030	Almonds, yogurt-covered	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462

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91702010	Butterscotch morsels	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91703010	Caramel, chocolate-flavored roll	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91703020	Caramel, flavor other than chocolate	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91703030	Caramel, with nuts	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91703040	Caramel candy, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91703060	Caramel with nuts, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91703080	Caramel, all flavors, sugar free	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91705020	Milk chocolate candy, with cereal	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91705090	Chocolate candy with fondant and caramel	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91705400	Chocolate, white	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91705420	Chocolate, white, with cereal	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91705430	Kit Kat White	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91706000	Coconut candy, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91706100	Coconut candy, no chocolate covering	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91706400	Coconut candy, Puerto Rican style	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91707000	Fondant	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91707010	Fondant, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429

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91708000	Fruit peel, candied	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91708010	Date candy	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91708020	Soft fruit confections	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91708030	Fruit leather and fruit snacks candy	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91708070	Tamarind candy	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91708100	Fruit snacks candy, with high vitamin C	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91708150	Yogurt covered fruit snacks candy, with added vitamin C	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91709000	Gumdrops, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91713050	Fudge, peanut butter	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91713060	Fudge, peanut butter, with nuts	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91713070	Fudge, vanilla	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91718000	Honey-combed hard candy with peanut butter	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91718200	Chocolate-flavored sprinkles	Candy	Candy containing chocolate	100	15	35	0.200	0.103	660
91718300	Ladoo, round ball, Asian-Indian dessert	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91721000	Licorice	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91723000	Marshmallow	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660

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91723010	Marshmallow, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91723020	Marshmallow, candy-coated	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91726000	Nougat, plain	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91726110	Nougat, with caramel, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91726410	Nougat, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91728000	Nut roll, fudge or nougat, caramel and nuts	Candy	Candy containing chocolate	70	15	35	0.200	0.103	462
91728500	Sugared pecans, sugar and egg white coating	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91731010	M&M's Peanut Chocolate Candies	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91731060	M&M's Peanut Butter Chocolate Candies	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91731100	Peanuts, sugar-coated	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91731150	Peanuts, yogurt covered	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91732000	Peanut bar	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91733000	Peanut brittle	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91734200	Reese's Pieces	Candy	Candy not containing chocolate	20	15	35	0.200	0.103	132
91734500	Peanut butter morsels	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91735000	Pralines	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91739600	Raisins, yogurt covered	Candy	Candy not containing chocolate	60	15	35	0.200	0.103	396

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
91742010	Sesame Crunch, Sahadi	Candy	Candy not containing chocolate	70	15	35	0.200	0.103	462
91745010	Gumdrops	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91745020	Hard candy	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91745040	Butterscotch hard candy	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91745100	Skittles	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91746010	Sugar-coated chocolate discs	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91746100	M&M's Milk Chocolate Candies	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91746120	Sixlets	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91746150	Easter egg, candy coated chocolate	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91746200	M&M's Pretzel Chocolate Candies	Candy	Candy containing chocolate	20	15	35	0.200	0.103	132
91750000	Taffy	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91760000	Toffee, plain	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91760100	Toffee, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91760200	Toffee, chocolate-coated, with nuts	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429
91760500	Truffles	Candy	Candy containing chocolate	100	15	35	0.200	0.103	660
91770020	Dietetic or low calorie hard candy	Candy	Candy not containing chocolate	100	15	35	0.200	0.103	660
91770030	Dietetic or low calorie candy, chocolate covered	Candy	Candy containing chocolate	65	15	35	0.200	0.103	429

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
91800100	Chewing gum, NFS	Candy	Chewing gum	100	15	35	0.200	0.103	660
91801000	Chewing gum, regular	Candy	Chewing gum	100	15	35	0.200	0.103	660
91802000	Chewing gum, sugar free	Candy	Chewing gum	100	15	35	0.200	0.103	660
92432000	Fruit juice drink, citrus, carbonated	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92433000	Fruit juice drink, noncitrus, carbonated	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92510610	Fruit juice drink	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92510650	Tamarind drink	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92510720	Fruit punch, made with fruit juice and soda	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	50	13	25	0.020	0.011	25
92510730	Fruit punch, made with soda, fruit juice, and sherbet or ice cream	Desserts	Ice cream and frozen dairy desserts (including bars)	20.598	17.5	35	0.100	0.053	74.1528
92510730	Fruit punch, made with soda, fruit juice, and sherbet or ice cream	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	26.467	13	25	0.020	0.011	13.2335
92510955	Lemonade, fruit juice drink	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92510960	Lemonade, fruit flavored drink	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92511015	Fruit flavored drink	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
92512090	Pina Colada, nonalcoholic	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92512110	Margarita mix, nonalcoholic	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92513000	Fruit flavored smoothie drink, frozen, no dairy	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92513010	Fruit flavored smoothie drink, frozen, light, no dairy	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92530410	Fruit flavored drink, with high vitamin C	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92530510	Cranberry juice drink, with high vitamin C	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92530610	Fruit juice drink, with high vitamin C	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92530950	Vegetable and fruit juice drink, with high vitamin C	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92531030	Fruit juice drink (Sunny D)	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92541010	Fruit flavored drink, powdered, reconstituted	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92542000	Fruit flavored drink, with high vitamin C, powdered, reconstituted	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
92550030	Fruit juice drink, with high vitamin C, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550035	Fruit juice drink, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550040	Fruit juice drink, diet	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550110	Cranberry juice drink, with high vitamin C, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550200	Grape juice drink, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550350	Orange juice beverage, 40-50% juice, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550360	Apple juice beverage, 40-50% juice, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550370	Lemonade, fruit juice drink, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550380	Pomegranate juice beverage, 40-50% juice, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550400	Vegetable and fruit juice drink, with high vitamin C, diet	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550405	Vegetable and fruit juice drink, with high vitamin C, light	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
92550610	Fruit flavored drink, with high vitamin C, diet	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92550620	Fruit flavored drink, diet	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92552000	Fruit flavored drink, with high vitamin C, powdered, reconstituted, diet	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92552010	Fruit flavored drink, powdered, reconstituted, diet	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92552020	Fruit juice drink, reduced sugar (Sunny D)	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92552030	Fruit juice drink (Capri Sun)	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92582100	Fruit juice drink, with high vitamin C, plus added calcium	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92582110	Fruit juice drink, added calcium (Sunny D)	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92610020	Horchata beverage, made with water	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
92610030	Horchata beverage, made with milk	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80
92611010	Oatmeal beverage with water	Dairy Drinks and Substitutes	Milk substitutes	100	10	20	0.040	0.021	80
92611100	Oatmeal beverage with milk	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
92612010	Sugar cane beverage	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92613010	Cornmeal beverage	Dairy Drinks and Substitutes	Other dairy drinks	100	20	40	0	0.021	80
92801000	Wine, nonalcoholic	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92803000	Nonalcoholic malt beverage	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
92804000	Shirley Temple	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50
95101000	Nutritional drink or shake, ready-to-drink (Boost)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95101010	Nutritional drink or shake, ready-to-drink (Boost Plus)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95102000	Nutritional drink or shake, ready-to-drink (Carnation Instant Breakfast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95103000	Nutritional drink or shake, ready-to-drink (Ensure)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95103010	Nutritional drink or shake, ready-to-drink (Ensure Plus)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95104000	Nutritional drink or shake, ready-to-drink, sugar free (Glucerna)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95105000	Nutritional drink or shake, ready-to-drink (Kellogg's Special K Protein)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
95106000	Nutritional drink or shake, ready-to-drink (Muscle Milk)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95106010	Nutritional drink or shake, ready-to-drink, light (Muscle Milk)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95110000	Nutritional drink or shake, ready-to-drink (Slim Fast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95110010	Nutritional drink or shake, ready-to-drink, sugar free (Slim Fast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95110020	Nutritional drink or shake, high protein, ready-to-drink (Slim Fast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95120000	Nutritional drink or shake, ready-to-drink, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95120010	Nutritional drink or shake, high protein, ready-to-drink, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95120020	Nutritional drink or shake, high protein, light, ready-to-drink, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95120050	Nutritional drink or shake, liquid, soy-based	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	100	20	40	0	0.016	60
95201000	Nutritional powder mix (Carnation Instant Breakfast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	676	20	40	0	0.016	405.6
95201010	Nutritional powder mix, sugar free (Carnation Instant Breakfast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	1250	20	40	0	0.016	750
95201200	Nutritional powder mix (EAS Whey Protein Powder)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	641	20	40	0	0.016	384.6

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
95201300	Nutritional powder mix (EAS Soy Protein Powder)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	568	20	40	0	0.016	340.8
95201500	Nutritional powder mix, high protein (Herbalife)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	1000	20	40	0	0.016	600
95201600	Nutritional powder mix (Isopure)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	287	20	40	0	0.016	172.2
95201700	Nutritional powder mix (Kellogg's Special K20 Protein Water)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	1786	20	40	0	0.016	1071.6
95202000	Nutritional powder mix (Muscle Milk)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	357	20	40	0	0.016	214.2
95210000	Nutritional powder mix (Slim Fast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	962	20	40	0	0.016	577.2
95210020	Nutritional powder mix, high protein (Slim Fast)	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	962	20	40	0	0.016	577.2
95220000	Nutritional powder mix, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	735	20	40	0	0.016	441
95220010	Nutritional powder mix, high protein, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	568	20	40	0	0.016	340.8
95230000	Nutritional powder mix, whey based, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	962	20	40	0	0.016	577.2
95230010	Nutritional powder mix, protein, soy based, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	694	20	40	0	0.016	416.4
95230020	Nutritional powder mix, protein, light, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	3125	20	40	0	0.016	1875
95230030	Nutritional powder mix, protein, NFS	Non-alcoholic beverages	Nutritional beverages (RTD and powders)	806	20	40	0	0.016	483.6
95341000	FUZE Slenderize fortified low-calorie fruit juice beverage	Non-alcoholic beverages	Fruit based drinks (including fruit flavored drinks)	100	13	25	0.020	0.011	50

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					Blue	Green, purple, brown	Blue	Green, purple, brown	
<p>¹ This food code was not included in Exponent’s initial dietary exposure estimate. In a deficiency letter dated March 31, 2021, FDA requested Exponent provide a rationale as to why certain food codes were excluded. In a response (submission dated April 1, 2021), Exponent included these food codes in the dietary exposure estimate. For each food code, Exponent determined the percent of food that could contain jagua (genipin-glycine) blue and based on that percentage, FDA calculated the use level used in the dietary exposure estimate.</p> <p>² This percentage was incorrect in Exponent’s initial dietary exposure estimate. Exponent provided the correct percentage in a submission dated April 1, 2021, and the correct percentage is presented here. Based on this percentage, FDA calculated the use level used in the dietary exposure estimate.</p>									