

Appendix E

Total Protein Assay of D-Ribose

Total Protein Assay of Bioenergy Ribose™

The level of protein in Bioenergy Ribose™ was assayed using the Bradford method. The test method is based on the interaction between protein and a dye, Brilliant Blue G. When dissolved in an acid-alcoholic medium, the Brilliant Blue G dye reacts almost immediately with proteins to form a blue-colored protein-dye complex. The protein-dye complex causes a shift in the absorption maximum of the dye from 465 to 595 nm. The amount of absorption at 595 nm is proportional to the protein present. This method is simple, rapid, and highly sensitive. The detection limit is 0.1 µg/mL with an advertised linear range to 5mg/mL.

Our assay was performed using a kit (Product # TP0100) from Sigma-Aldrich. The kit contains all the necessary reagents and a standard protein as reference. Before assaying the test samples, the method/kit was first calibrated using the reference protein standard included in the kit. Standard protein solutions of different concentrations (from 0.0 to 6.0 µg/mL) were prepared and their absorptions at 595 nm were measured on a Shimadzu UV-Vis spectrometer following the manufacturer's suggested procedures. The results are presented in Table 1 and Figure 1. The absorption was proportional to the protein concentration. It is clear that the method works very well and the assay is linear in the test range.

Six lots of Bioenergy Ribose™ (three from year 2006 and three from 2005) were randomly selected for the protein content assay. Two grams of each Bioenergy Ribose™ were dissolved in 0.85% NaCl solution to make a 20% D-ribose solution. The 0.85% NaCl solution used to dissolve D-ribose is recommended by Sigma-Aldrich since both the positive and negative controls employ the solution. The positive control consisted of the standard protein solution and the negative control contained 0.85% NaCl solution only. The D-ribose solutions were assayed following the same procedure as the reference protein in the calibration. The results are summarized in Table 2. It is clear that the assay works very well because both the positive and negative controls gave repeatable result as in the calibration. However, no detectable level of protein was detected in any lot of Bioenergy Ribose™. The absorption at 595 nm showed some random small numbers indicating the assay is beyond the detectable limit. Therefore, it is concluded that no protein is detectable in the Bioenergy Ribose™ products.

Table 1. Calibration of the Total Protein Assay Method

Protein concentration (µg/mL)	Absorption (595nm)
0.0	0.000
1.2	0.031
2.4	0.074
3.6	0.101
4.8	0.135
6.0	0.159

Figure 1. Calibration Curve for the Total Protein Assay Method

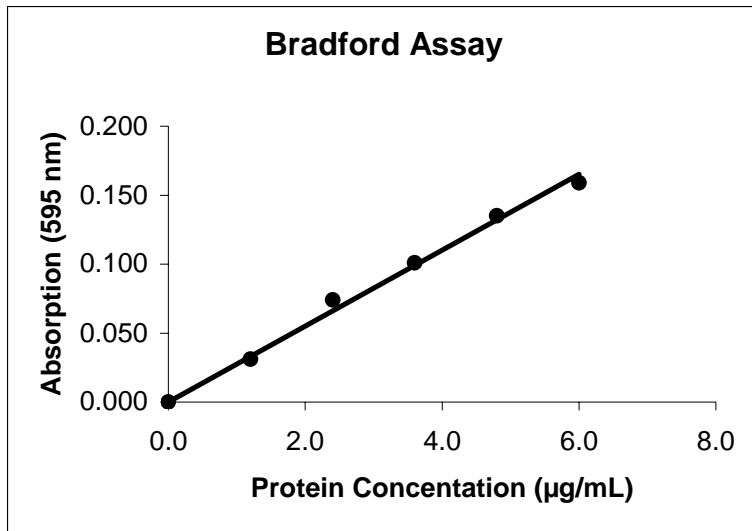


Table 2. Protein Assay for Bioenergy Ribose™

Test Sample /Lot number	Absorption (595nm)	Protein content (µg/mL)
Negative control	0.000	No protein
50126501	0.001	Not detectable
50546501	0.002	Not detectable
50856501	-0.006	Not detectable
60126501	-0.001	Not detectable
60546501	0.004	Not detectable
60956501	0.000	Not detectable
Positive control	0.158	6 µg/mL

Appendix G

Estimated Daily Intake of D-Ribose by the U.K. Population from Proposed Food-Uses in the E.U.

CANTOX

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ESTIMATED DAILY INTAKE OF D-RIBOSE BY THE U.K. POPULATION FROM PROPOSED FOOD-USES IN THE E.U.

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ESTIMATED DAILY INTAKE OF D-RIBOSE BY THE U.K. POPULATION FROM PROPOSED FOOD-USES IN THE E.U.

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ESTIMATED DAILY INTAKE OF D-RIBOSE BY THE U.K. POPULATION FROM PROPOSED FOOD-USES IN THE E.U.

1.0 INTRODUCTION

D-Ribose is proposed for use in the European Union (E.U.) in foods, such as chocolate confectionary (soft candies (excluding chocolate bars)), dietary supplements (meal replacement beverages and meal replacement bars), ice cream (ice cream excluding frozen novelties), juices and ades (calorie reduced fruit drinks and ades, fruit juice, fruit nectars, and vegetable juice), miscellaneous (milk drinks excluding malts and shakes), low calorie soft drinks (low calorie carbonated soft drinks (excluding cola-type soft drinks), and low calorie ready-to-drink soft drinks), soft drinks (carbonated soft drinks, not low calorie (excluding cola-type beverages), ready-to-drink soft drinks, not low calorie, and sport and energy drinks), sugar confectionary (hard candy), tea, coffee, and water (instant and herbal tea), and yogurt, fromage frais, and other dairy desserts [yogurt (including frozen yogurt, excluding yogurt drinks)].

Estimates for the intake of D-ribose in the E.U. were based on the proposed use-levels and food consumption data collected as part of the United Kingdom (U.K.) Food Standards Agency's, Dietary Survey Programme (DSP). Calculations for the mean and high-level (97.5th percentile) all-person and all-user intakes, and percent consuming were performed for each of the individual proposed food-uses for D-ribose. Similar calculations were used to determine the estimated total intake of D-ribose from all proposed food-uses combined. In both cases, the per person and per kilogram body weight intakes were reported for the following population groups:

- children, ages 1½ to 4½ ;
- young people, ages 4 to 10;
- female teenagers, ages 11 to 18;
- male teenagers, ages 11 to 18;
- female adults, ages 16 to 64;
- male adults, ages 16 to 64.

2.0 FOOD CONSUMPTION SURVEY DATA

2.1 Survey Description

The Ministry of Agriculture, Fisheries, and Food (MAFF) and the Department of Health were responsible for the joint commission of the National Diet and Nutrition Survey (NDNS) program in 1992. The responsibility for the program was subsequently transferred from MAFF to the Food Standards Agency (FSA) upon its inception in April 2000. The NDNS program itself consists of 4 different surveys targeting specific age groups, which were conducted every 3 years in succession. Separate survey data are available from the U.K. Data Archive (UKDA) for

the NDNS: Adults Aged 16 to 64 years collected in 2000-2001 (NDNS 2000-2001) (Office for National Statistics, 2005), the National Diet, Nutrition and Dental Survey of Children Aged 1½ to 4½ Years, 1992-1993 (NDNS 1992-1993) (UKDA, 1995), the National Diet and Nutrition Survey: Young People aged 4 to 18 Years (NDNS 1997) (UKDA, 2001), and the National Diet and Nutrition Survey: People Aged 65 Years and Over, 1994-1995. Although all four surveys are available, only the former three were utilized in the generation of estimates in the current intake analysis. When combined, the survey results provide the most current data for use in the evaluation of food-use, food-consumption patterns, and nutritional status for individuals residing within the U.K. Weighted 4- or 7-day food records for individuals were selected using a stratified multi-stage random probability design, with sampling of private households throughout Great Britain using postal sectors (UKDA, 1995, 2001; Office for National Statistics, 2005) as the primary sampling unit.

NDNS data were collected from individuals as well as households *via* 4- (children, aged 1½ to 4½) or 7-day (young people, aged 4 to 18 and adults, aged 16 to 64) weighed dietary intake records throughout all 4 seasons of the year (4 fieldwork waves of 3 months duration), in order to address variability in eating behaviors due to seasonality. Dietary data were recorded by survey respondents or by parents or guardians in the case of the children's survey for the duration of the survey period. NDNS 2000-2001 contains 7-day weighed dietary records for more than 1,724 individuals aged 16 to 64, while, NDNS 1992-1993 contributes 4-day data from an additional 1,592 children 1½ to 4½ years of age. NDNS 1997 adds 7-day records for approximately 1,700 youth aged 4 to 18 (UKDA, 1995, 2001; Office for National Statistics, 2005). Initial postal questionnaires and interviews were employed to identify eligible children, youth, or adults, respectively, for the surveys. Overall, response rates of 93%, 92%, and 73% were achieved; the maximum response rate (individuals agreeing to the initial dietary interview) from the eligible sample selected for participation in the survey were, 88%, 80%, and 61%, respectively, while only 81%, 64%, and 47% of surveyed individuals completed a full dietary record (Gregory *et al.*, 1995; UKDA, 2001; Office for National Statistics, 2005).

The NDNS program collects physiological, anthropometric and demographic information from individual survey participants, such as sex, age, measured height and weight (by the interviewer), blood analytes, and other variables useful in characterizing consumption in addition to collecting information on the types and quantities of foods being consumed. Further assessment of food intake based on consumption by specific population groups of interest within the total surveyed samples was made possible by the inclusion of this information. In order to compensate for the potential under-representation of intakes from specific population groups resulting from sample variability due to differential sampling probabilities and differential non-response rates [particularly the lower response rate among males aged 15 to 18 years (UKDA, 2001)], sample weights were developed and incorporated with the youth survey (NDNS, 1997).

Weighting the children's survey data to 7 days facilitated the comparison of adult and youth 7-day dietary survey data to dietary data obtained in the 4-day children's survey. This change was based on the assumption that intake patterns on non-recording weekdays were similar to the intakes on recorded weekdays. The 2 weekend days were not re-weighted. All food and drinks consumed on the 2-recorded weekdays were averaged to obtain a daily intake value, which was then multiplied by 5 to approximate intakes for all weekdays. This data was combined with consumption data from weekend dietary records. The full details of the weighting method employed are provided in Appendix J of the report on the children's diet and nutrition study (Gregory *et al.*, 1995).

2.2 Statistical Methods

Estimates for the intake of D-ribose by the U.K. population were generated and collated by computer using consumption data from individual dietary records, detailing food items ingested by each survey participant on each of the survey days. Estimates for the daily intake of D-ribose represent projected 7-day averages for each individual from Days 1 to 7 of NDNS data. The distribution from which mean and percentile intake estimates were produced was comprised of these average amounts. Mean and percentile estimates were generated using ratio estimation and nonparametric techniques, incorporating survey weights where appropriate (*i.e.* when using youth data to estimate intakes, as described in Section 2.1) in order to provide representative intakes for specific U.K. population groups. All-person intake refers to the estimated intake of D-ribose averaged over all individuals surveyed regardless of whether they consumed food products in which D-ribose is currently proposed for use, and therefore includes "zero" consumers (those who reported no intake of food products for which D-ribose is proposed for use during the 7 survey days). All-user intake refers to the estimated intake of D-ribose by those individuals consuming food products in which the use of D-ribose is currently under consideration, hence the 'all-user' designation. Individuals were considered users if they consumed 1 or more food products in which D-ribose is proposed for use on one of the 7 survey days.

Mean and 97.5th percentile intake estimates based on sample sizes of less than 30 and 160, respectively, may not be considered statistically reliable due to the limited sampling size (LSRO, 1995). As such, the reliability of estimates for the intake of D-ribose based on the consumption of these foods may be questionable for certain individual population groups.

3.0 FOOD USAGE DATA

The individual proposed use-levels for D-ribose employed in the current intake analysis are summarized in Table 3-1. Food codes representative of each proposed food-use were chosen from the MAFF food code list associated with each food consumption survey and grouped in food-use categories according to the food type, main and subsidiary food group classifications detailed within the NDNS reports (UKDA, 1991, 1995, 2001). A given food code may not be

associated with all three surveys; as with each new survey the food code list has been updated to reflect the availability of new foods and the discontinuation of certain obsolete codes.

Table 3-1 Summary of the Individual Proposed Food Uses and Use-Levels for D-Ribose in the U.K.			
Food Category	Proposed Food Use	Use-level (%)	D-Ribose per Serving Size (g/serving)
Chocolate Confectionary	Soft Candies (excluding chocolate bars)	1.67	0.69
Dietary Supplements	Meal Replacement Beverages	0.4	0.96
	Meal Replacement Bars	5.0	2.00
Ice Cream	Ice Cream (excluding frozen novelties)	0.4	0.34
Juices and Ades	Calorie Reduced Fruit Drinks and Ades	0.4	0.96
	Fruit Juice	1.2	2.88
	Fruit Nectars	1.0	2.40
	Vegetable Juice	1.0	2.40
Miscellaneous	Milk Drinks (excluding malts and shakes)	0.4	0.96
Soft Drinks, Low Calorie	Carbonated Soft Drinks, Low Calorie (Non-Cola)	0.4	0.96
	Ready-to-Drink Soft Drinks, Low Calorie	0.4	0.96
Soft Drinks, Not Low Calorie	Carbonated Soft Drinks, Not Low Calorie (Non-Cola)	0.4	0.96
	Ready-to-Drink Soft Drinks, Not Low Calorie	0.4	0.96
	Sports, Isotonic, and Energy Drinks	2.2	5.28
Sugar Confectionary	Hard Candy	2.0	0.25
Tea, Coffee, and Water	Instant and Herbal Teas	0.7	1.68
Yogurt, Fromage Frais, and Other Dairy Desserts	Yogurt (including frozen yogurt; excluding yogurt drinks)	2.2	4.95

4.0 FOOD SURVEY RESULTS

Estimates for the total daily intakes of D-ribose from all proposed food-uses are provided in Tables 4.1-1 and 4.1-2. Estimates for the daily intake of D-ribose from individual proposed food-uses in the E.U. are summarized in Tables A-1 to A-6 and B-1 to B-6 of Appendix A and B, respectively. Tables A-1 to A-6 provide estimates for the daily intake of D-ribose in the U.K. per person (g/day), whereas Tables B-1 to B-6 provide estimates on a per kilogram body weight basis (mg/kg body weight/day).

4.1 Estimated Daily Intake of D-Ribose from All Proposed Food-Uses in the E.U.

Table 4.1-1 summarizes the estimated total intake of D-ribose (g/person/day) from all proposed food-uses in the E.U. by U.K. population group. Table 4.1-2 presents this data on a per kilogram body weight basis (mg/kg body weight/day). As would be expected for a 7-day survey, the percentage of users was high among all age groups evaluated in the current intake assessment; greater than 78.7% of the population groups consisted of users of those food products in which D-ribose is currently proposed for use (Table 4.1-1). Young people had the greatest percentage of users at 99.3%. Large user percentages within a population group typically lead to similar results for the all-person and all-user consumption estimates. Consequently, only the all-user intake results will be discussed in detail.

Of the individual population groups, children were determined to have the greatest mean all-user intake of D-ribose on an absolute basis, at 3.8 g/person/day, as well as the greatest 97.5th percentile all-user intake of D-ribose with a value of 11.0 g/person/day (Table 4.1-1). The lowest absolute all-user intake of D-ribose resulting from all proposed food uses was observed to occur in female adults with mean and 97.5th percentile intakes of 1.9 and 6.2 g/person/day, respectively.

Population Group	Age Group (Years)	% User	Actual # of Total Users	All-Person Consumption			All-Users Consumption				
				Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
					90 th	95 th	97.5 th		90 th	95 th	97.5 th
Children	1½ - 4½	97.6	1,609	3.7	7.4	8.9	11.0	3.8	7.4	9.0	11.0
Young People	4-10	99.3	831	3.2	6.3	8.1	9.4	3.2	6.3	8.1	9.4
Female Teenager	11-18	96.2	429	2.5	5.0	6.5	7.7	2.5	5.0	6.8	7.9
Male Teenager	11-18	96.9	403	2.9	5.9	7.4	9.7	2.9	6.0	7.5	9.7
Female Adult	16-64	85.4	818	1.7	3.8	5.0	6.3	1.9	4.1	5.2	6.2
Male Adult	16-64	78.7	603	1.7	4.1	5.4	7.9	2.1	4.5	6.2	8.4

On a body weight basis, children were identified as having the highest mean and 97.5th percentile all-user intakes of any population group, of 267 and 780 mg/kg body weight/day, respectively. Male adults displayed the lowest mean all-user intakes of D-ribose at 25 mg/kg body weight/day, while female adults displayed the lowest 97.5th percentile all-user intake of D-ribose at 97 mg/kg body weight/day (Table 4.1-2).

Table 4.1-2 Summary of the Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from All Proposed Food Categories in the U.K. by Population Group (NDNS Data)											
Population Group	Age Group (Years)	% User	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
				Mean (mg/kg)	Percentile (mg/kg)			Mean (mg/kg)	Percentile (mg/kg)		
					90 th	95 th	97.5 th		90 th	95 th	97.5 th
Children	1½ - 4½	97.6	1,609	260	528	654	779	267	531	658	780
Young People	4-10	99.3	831	128	254	346	399	129	255	346	399
Female Teenager	11-18	96.2	429	47	103	136	163	49	104	139	163
Male Teenager	11-18	96.9	403	54	121	149	188	55	122	151	203
Female Adult	16-64	85.4	818	24	57	74	95	28	61	78	97
Male Adult	16-64	78.7	603	20	48	65	91	25	54	75	99

4.2 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses in the E.U.

4.2.1 All-Person Intakes

Estimates for the mean and 97.5th percentile daily intakes of D-ribose from each individual food category are summarized in Tables A-1 to A-6 and B-1 to B-6 on a g/day and mg/kg body weight/day basis, respectively. The total U.K. population was identified as being significant consumers of fruit nectar (23.7 to 84.4% users), carbonated soft drinks, not low calorie (27.0 to 60.8% users), ice cream (23.4 to 57.0% users), and calorie-reduced fruit drinks and ades (33.1 to 48.4% users). Individuals within the U.K. population did not significantly consume meal replacement beverages or vegetable juices, with less than 2% of individuals within each population group identified as consumers of these food groups.

Consumption of fruit nectars resulted in the highest all-person mean and 97.5th percentile intakes of D-ribose for all population groups with the exception of female adults. The highest overall mean and 97.5th percentile intakes resulting from the consumption of fruit nectars were identified in children who consumed 2.7 and 9.8 g/person/day, respectively (187 and 710 mg/kg body weight/day, respectively). For female adults the highest mean and 97.5th percentile consumption of D-ribose resulted from the intake of yogurt, providing 0.5 and 2.9 g/person/day, respectively (7 and 43 mg/kg body weight/day, respectively). Consumption of yogurt also resulted in high mean and 97.5th percentile all-person intakes of D-ribose for the remaining population groups, with the highest mean intakes identified in young people at 0.5 g/person/day (18 mg/kg body weight/day), and the highest 97.5th percentile intakes identified in female adults at 2.9 g/person/day (43 mg/kg body weight/day).

On a body weight basis, the highest mean and 97.5th percentile all-person intakes of D-ribose were also identified in children consuming fruit nectar, with values of 187 and 710 mg/kg body weight/day, respectively. Consumption of fruit nectar by young people in the U.K. population also resulted in large mean and 97.5th percentile all-person intakes of D-ribose with values of 75 and 326 mg/kg body weight/day, respectively.

4.2.2 All-User Intakes

Tables A-1 to A-6 and B-1 to B-6 also summarize the estimates for the mean all-user intakes of D-ribose by the individual surveyed populations from each of the individual food-uses on a g/person/day and mg/kg body weight/day basis, respectively. The contribution of the all-user intake of D-ribose from a specific food-use to the overall intake of D-ribose from all food-uses is based on the number of users as well as the consumption of that specific food-use. Therefore, a food-use for which there are few users, but whose users consume heavy amounts of that food, may not contribute the greatest amount of D-ribose to the overall intake. Consumption of meal replacement drinks among male adults resulted in the highest mean all-user intake of D-ribose with a value of 3.2 g/person/day. However, only 3 actual users were identified, and as such, the consumption of this food-use did not significantly contribute to the overall consumption of D-ribose. When the number of users for a particular food-use is considered, consumption of fruit nectars by children made the most significant contribution to the mean and 97.5th percentile intakes of D-ribose, with values of 3.3 and 10.6 g/person/day, respectively. On a per kilogram body weight basis, children consuming fruit nectars were also identified as making the greatest contribution to the mean and 97.5th percentile all-user intakes of D-ribose of 232 and 784 mg/kg body weight/day. The lowest reliable mean and 97.5th percentile all-user intakes were observed in young people consuming milk drinks, with values of 11 and 64mg/kg body weight/day, respectively.

Less than 30 people in all age groups reported consuming meal replacement bars, meal replacement beverages, and vegetable juice. For sports and energy drinks and specialty and herbal teas, all population groups contained less than 30 people except the adult age groups (female and male). For fruit juice all population groups contained less than 30 people except for the male adult group. The ready-to-drink soft drink (low calorie) food group contained less than 30 people in each population group except for children and young people. In addition, there were less than 160 consumers of milk drinks, fruit juice, sports and energy drinks in all age groups. Fewer than 160 consumers of hard candy and ready-to-drink soft drinks (not low cal) were identified for teenagers and adults (male and female). For male teenagers and adults, as well as female teenagers fewer than 160 consumers of carbonated soft drinks (low cal) and soft candy were identified. Mean and 97.5th percentile intake estimates based on sample sizes of less than 30 and 160 respectively, may not be considered statistically reliable due to the limited sampling size (LSRO, 1995). As such, the reliability of estimates for the intake of D-ribose based on the consumption of these foods may be questionable for certain individual population groups. Therefore, these food-uses have not been included when assessing the relative

contribution of the individual food-use categories to high-level D-ribose consumption in these specific population groups, as detailed in Sections 4.2-1 and 4.2-2.

5.0 CONCLUSIONS

Consumption data and information pertaining to the individual proposed food-uses for D-ribose were used to estimate the all-person and all-user D-ribose intakes of specific demographic groups in the U.K. population. This type of intake methodology is generally considered to be 'worst case' as a result of several conservative assumptions made in the consumption estimates. For example, it is often assumed that all food products within a food category contain the ingredient at the maximum specified level of use. In addition, it is well established that the length of a dietary survey affects the estimated consumption of individual users. Short-term surveys, such as the 4-day children's survey, may overestimate consumption of food products that are consumed relatively infrequently, particularly when weighted to 7 days (Gregory *et al.*, 1995).

In summary, on an all-user basis, the highest mean and 97.5th percentile intakes of D-ribose by the U.K. population from all proposed food-uses in the E.U. were observed in children and estimated to be 3.8 and 11.0 g/person/day, respectively. Children also consumed the greatest amount of D-ribose on a per body weight basis with the highest mean and 97.5th percentile all-user intakes of 267 and 780 mg/kg body weight/day, respectively.

6.0 REFERENCES

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APPENDIX A

**Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Different
Population Groups Within the U.K.**

Table A-1 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Children Aged 1½ to 4½ Years Within the U.K. (NDNS Data, 1992-1993)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	20.9	345	<0.1	0.1	0.2	0.3	0.1	0.3	0.3	0.4
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	0.4	7	<0.1	na	na	na	0.2*	0.5*	0.5*	0.5*
<u>Ice Cream</u>										
Ice cream	41.9	690	<0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	33.1	545	0.1	0.5	0.7	1.2	0.4	0.9	1.4	1.6
Fruit Juice	1.5	25	<0.1	na	na	na	0.5*	0.9*	1.0*	1.6*
Fruit Nectars	80.6	1,328	2.7	6.2	7.9	9.8	3.3	6.7	8.5	10.6
Vegetable Juice	0	0	na	na	na	na	na	na	na	na
<u>Miscellaneous</u>										
Milk Drinks	7.1	117	<0.1	na	0.1	0.3	0.3	0.7	1.0	1.3
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	10.3	169	<0.1	<0.1	0.2	0.4	0.3	0.7	1.0	1.1
Ready-to-Drink Soft Drinks, Low Calorie	4.6	75	<0.1	na	na	0.2	0.3	0.4	0.7	0.9
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	34.9	575	0.1	0.5	0.7	1.0	0.4	0.9	1.2	1.6
Ready-to-Drink Soft Drinks, Not Low Calorie	29.7	489	0.1	0.4	0.7	0.9	0.4	0.8	1.1	1.5
Sports and Energy Drinks	1.3	22	<0.1	na	na	na	1.6*	2.8*	4.0*	5.0*

Table A-1 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Children Aged 1½ to 4½ Years Within the U.K. (NDNS Data, 1992-1993)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	24.7	407	<0.1	0.2	0.3	0.4	0.2	0.4	0.4	0.6
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	1.1	18	<0.1*	na	na	na	0.6*	2.2*	2.4*	2.4*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	40.0	660	0.4	1.5	2.1	2.5	1.1	2.2	2.6	3.1

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

Table A-2 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Young People Aged 4 to 10 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	33.5	280	<0.1	0.1	0.2	0.3	0.1	0.3	0.4	0.5
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	2.3	19	<0.1	na	na	na	0.5*	1.3*	1.6*	1.9*
<u>Ice Cream</u>										
Ice cream	57.0	477	<0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	48.4	405	0.2	0.6	0.9	1.2	0.4	0.9	1.2	1.6
Fruit Juice	1.9	16	<0.1	na	na	na	0.5*	0.9*	0.9*	4.4*
Fruit Nectars	84.5	707	1.9	4.8	6.2	7.9	2.2	5.3	6.5	8.4
Vegetable Juice	0	0	na	na	na	na	na	na	na	na
<u>Miscellaneous</u>										
Milk Drinks	11.7	98	<0.1	0.1	0.2	0.4	0.3	0.6	1.0	1.0
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	30.8	258	0.1	0.4	0.7	1.1	0.4	1.0	1.3	1.6
Ready-to-Drink Soft Drinks, Low Calorie	8.4	70	<0.1	na	0.3	0.4	0.4	0.6	0.7	1.0
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	54.7	458	0.2	0.6	0.9	1.2	0.4	0.9	1.2	1.5
Ready-to-Drink Soft Drinks, Not Low Calorie	35.5	297	0.1	0.5	0.7	0.8	0.4	0.7	0.9	1.0
Sports and Energy Drinks	1.8	15	<0.1	na	na	na	1.5*	3.8*	5.0*	5.0*

Table A-2 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Young People Aged 4 to 10 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	30.7	257	<0.1	0.1	0.2	0.3	0.1	0.2	0.3	0.4
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	0.7	6	<0.1	na	na	na	0.2*	0.8*	0.8*	0.8*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	48.3	404	0.5	1.4	2.0	2.5	1.0	2.0	2.6	3.0

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

Table A-3 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Female Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	31.8	142	0.1	0.2	0.3	0.4	0.2	0.4	0.5	0.6
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	4.7	21	<0.1*	na	na	0.3*	0.5*	1.3*	1.3*	1.3*
<u>Ice Cream</u>										
Ice cream	38.3	171	<0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.3
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	47.3	211	0.2	0.7	1.0	1.3	0.5	1.1	1.3	1.8
Fruit Juice	2.0	9	<0.1*	na	na	na	0.4*	0.7*	0.8*	0.8*
Fruit Nectars	60.8	271	1.1	3.4	4.6	6.3	1.8	4.4	6.3	7.7
Vegetable Juice	0	0	na	na	na	na	na	na	na	na
<u>Miscellaneous</u>										
Milk Drinks	20.2	90	<0.1	0.1*	0.2*	0.4*	0.2	0.5*	0.6*	0.9*
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	23.8	106	0.1	0.4	0.7	0.9	0.4	0.9	1.6	1.7
Ready-to-Drink Soft Drinks, Low Calorie	3.8	17	<0.1*	na	na	0.1*	0.2*	0.4*	0.6*	0.7*
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	60.8	271	0.3	1.0	1.3	1.8	0.5	1.2	1.6	2.1
Ready-to-Drink Soft Drinks, Not Low Calorie	24.4	109	0.1	0.3	0.5	0.7	0.3	0.7	0.9	1.0
Sports and Energy Drinks	3.4	15	<0.1*	na	na	1.0*	1.4*	2.5*	2.6*	3.3*

Table A-3 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Female Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	15.7	70	<0.1	0.1*	0.1*	0.2*	0.1	0.3*	0.3*	0.4*
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	3.6	16	<0.1*	na	na	0.2*	0.5*	1.7*	2.2*	2.2*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	41.3	184	0.4	1.2	1.7	2.0	0.8	1.9	2.0	2.4

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.

na= not applicable

Table A-4 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Male Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	33.7	140	0.1	0.2	0.3	0.4	0.2	0.4	0.5	0.6
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	3.8	16	<0.1*	na	na	0.3*	0.4*	0.6*	1.2*	1.6*
<u>Ice Cream</u>										
Ice cream	42.1	175	<0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	41.1	171	0.2	0.7	1.0	1.5	0.5	1.2	1.5	2.0
Fruit Juice	1.0	4	<0.1*	na	na	na	0.9*	1.4*	1.4*	1.4*
Fruit Nectars	65.1	271	1.4	4.3	5.5	6.9	2.2	5.0	6.4	8.3
Vegetable Juice	0.2	1	<0.1*	na	na	na	0.3*	0.3*	0.3*	0.3*
<u>Miscellaneous</u>										
Milk Drinks	14.4	60	<0.1	0.1	0.2	0.3	0.2	0.4	0.8	0.9
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	24.8	103	0.1	0.4	0.7	0.9	0.5	0.9	1.1	1.9
Ready-to-Drink Soft Drinks, Low Calorie	5.8	24	<0.1	na	0.1	0.2	0.3	0.9	0.9	1.1
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	59.6	248	0.4	1.1	1.3	1.6	0.6	1.3	1.5	1.8
Ready-to-Drink Soft Drinks, Not Low Calorie	23.6	98	0.1	0.2	0.4	0.6	0.3	0.6	0.8	1.2
Sports and Energy Drinks	6.5	27	0.1	na	0.8	1.1	1.7	2.4	6.7	6.7

Table A-4 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Male Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption			All-Users Consumption				
			Mean (g)	Percentile (g)		Mean (g)	Percentile (g)			
				90 th	95 th		97.5 th	90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	21.9	91	<0.1	0.1	0.2	0.2	0.1	0.2	0.4	0.5
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	2.6	11	0.1*	na	na	0.1*	1.9*	13.4*	13.4*	13.4*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	36.8	153	0.4	1.1	1.9	2.7	1.0	2.4	2.7	3.1

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.

na= not applicable

Table A-5 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Female Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	24.0	230	<0.1	0.1	0.2	0.3	0.1	0.3	0.5	0.6
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0.7	7	<0.1*	na	na	na	0.5*	0.9*	0.9*	0.9*
Meal Replacement Bars	2.9	28	<0.1	na	na	0.2	0.5	1.2	1.3	1.6
<u>Ice Cream</u>										
Ice cream	23.4	224	<0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.3
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	38.4	368	0.2	0.6	0.8	1.0	0.4	0.9	1.1	1.5
Fruit Juice	2.8	27	<0.1	na	na	0.3*	0.9	1.9*	2.6*	3.8*
Fruit Nectars	23.7	227	0.3	0.8	2.0	2.7	1.1	2.6	3.7	5.6
Vegetable Juice	2.1	20	<0.1*	na	na	na	0.3*	0.6*	0.8*	1.0*
<u>Miscellaneous</u>										
Milk Drinks	14.5	139	<0.1	0.1	0.3	0.5	0.3	0.8	1.0	1.3
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	18.2	174	0.1	0.3	0.6	1.0	0.6	1.2	2.3	2.8
Ready-to-Drink Soft Drinks, Low Calorie	2.2	21	<0.1	na	na	na	0.2	0.4	0.5	0.5
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	27.0	259	0.1	0.3	0.6	1.0	0.4	0.9	1.4	1.7
Ready-to-Drink Soft Drinks, Not Low Calorie	10.8	103	<0.1	0.1	0.3	0.6	0.3	0.7	0.9	1.2
Sports and Energy Drinks	3.2	31	0.1	na	na	0.8*	1.8	3.4*	4.3*	9.3*

Table A-5 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Female Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	6.6	63	<0.1	na	<0.1	0.1	0.1	0.2	0.2	0.3
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	15.8	151	0.3	0.5	1.5	2.5	1.5	2.9	5.2	9.2
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	37.9	363	0.5	1.7	2.4	2.9	1.2	2.5	3.0	3.6

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

Table A-6 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Male Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (g)	Percentile (g)			Mean (g)	Percentile (g)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	17.1	131	<0.1	0.1	0.2	0.4	0.2	0.4	0.6	0.6
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0.4	3	<0.1*	na	na	na	3.2*	8.9*	8.9*	8.9*
Meal Replacement Bars	3.3	25	<0.1	na	na	0.5	1.0	1.9	1.9	2.6
<u>Ice Cream</u>										
Ice cream	23.6	181	<0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.3
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	35.8	274	0.2	0.6	0.9	1.2	0.5	1.0	1.4	1.7
Fruit Juice	4.0	31	<0.1	na	na	0.5*	0.9*	1.5*	2.1*	5.4*
Fruit Nectars	24.8	190	0.4	1.3	2.6	4.3	1.6	4.1	5.4	7.4
Vegetable Juice	1.3	10	<0.1*	na	na	na	0.9*	2.8*	4.5*	4.5*
<u>Miscellaneous</u>										
Milk Drinks	10.6	81	<0.1	0.1	0.3	0.5	0.3	0.7	1.0	1.1
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	14.0	107	0.1	0.2	0.5	0.8	0.5	1.2	1.6	2.4
Ready-to-Drink Soft Drinks, Low Calorie	0.9	7	<0.1*	na	na	na	0.3*	1.1*	1.1*	1.1*
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	28.5	218	0.1	0.4	0.8	1.1	0.4	1.0	1.4	1.6
Ready-to-Drink Soft Drinks, Not Low Calorie	8.5	65	<0.1	na	0.2	0.4	0.3	0.8	0.9	1.6
Sports and Energy Drinks	6.1	47	0.1	na	0.8	1.6	2.4	7.1	8.9	10.7

Table A-6 Estimated Daily Intake of D-Ribose from Individual Proposed Food-Uses by Male Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption			All-Users Consumption				
			Mean (g)	Percentile (g)		Mean (g)	Percentile (g)			
				90 th	95 th		97.5 th	90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	5.0	38	<0.1	na	na	<0.1	0.1	0.3	0.5	0.6
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	10.2	78	0.2	0.2	0.9	1.9	1.5	3.5	4.6	11.4
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	31.5	241	0.4	1.4	2.0	2.8	1.2	2.5	3.1	3.3

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

APPENDIX B

**Estimated Daily Per Kilogram Body Weight Intake of D-Ribose
from Individual Proposed Food-Uses by Different Population
Groups Within the U.K.**

Table B-1 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Children Aged 1½ to 4½ Years Within the U.K. (NDNS Data, 1992-1993)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	20.9	345	2	8	14	19	9	20	24	27
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	0.4	7	<1*	na	na	na	14*	34*	34*	34*
<u>Ice Cream</u>										
Ice cream	41.9	690	2	7	10	14	5	12	15	20
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	33.1	545	10	34	54	83	30	70	94	111
Fruit Juice	1.5	25	<1*	na	na	na	33*	57*	68*	139*
Fruit Nectars	80.6	1,328	187	439	562	710	232	479	596	748
Vegetable Juice	0	0	na	na	na	na	na	na	na	na
<u>Miscellaneous</u>										
Milk Drinks	7.1	117	1	na	6	18	20	52	80	92
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	10.3	169	2	2	15	26	21	49	64	85
Ready-to-Drink Soft Drinks, Low Calorie	4.6	75	1	na	na	14	19	29	47	69
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	34.9	575	9	32	49	72	27	61	84	107
Ready-to-Drink Soft Drinks, Not Low Calorie	29.7	489	8	30	44	59	28	56	73	99
Sports and Energy Drinks	1.3	22	1*	na	na	na	112*	209*	334*	338*

Table B-1 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Children Aged 1½ to 4½ Years Within the U.K. (NDNS Data, 1992-1993)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	24.7	407	3	11	20	27	12	27	33	36
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	1.1	18	<1*	na	na	na	45*	169*	170*	170*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	40.0	660	31	105	144	186	78	156	190	220

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

Table B-2 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Young People Aged 4 to 10 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	33.5	280	2	6	9	11	5	11	12	16
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	2.3	19	<1*	na	na	na	16*	28*	45*	114*
<u>Ice Cream</u>										
Ice cream	57.0	477	2	5	7	9	3	7	8	10
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	48.4	405	7	24	34	48	15	35	49	65
Fruit Juice	1.9	16	<1*	na	na	na	19*	36*	36*	227*
Fruit Nectars	84.5	707	75	199	271	326	89	215	294	334
Vegetable Juice	0	0	na	na	na	na	na	na	na	na
<u>Miscellaneous</u>										
Milk Drinks	11.7	98	1	2	8	15	11	22	43	64
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	30.8	258	5	17	27	37	16	34	52	67
Ready-to-Drink Soft Drinks, Low Calorie	8.4	70	1	na	9	18	15	30	31	39
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	54.7	458	8	24	33	48	15	33	47	57
Ready-to-Drink Soft Drinks, Not Low Calorie	35.5	297	5	18	26	35	14	30	40	47
Sports and Energy Drinks	1.8	15	1*	na	na	na	47*	149*	164*	164*

Table B-2 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Young People Aged 4 to 10 Years Within the U.K. (NDNS Data, 1997)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	30.7	257	1	5	7	10	4	9	12	15
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	0.7	6	<1*	na	na	na	9*	40*	40*	40*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	48.3	404	18	53	76	105	38	76	107	145

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

Table B-3 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Female Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	31.8	142	1	3	6	9	4	8	10	13
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	4.7	21	<1	na	na	4	9	24	29	29
<u>Ice Cream</u>										
Ice cream	38.3	171	1	2	3	4	2	3	4	6
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	47.3	211	4	13	20	25	9	22	25	34
Fruit Juice	2.0	9	<1*	na	na	na	8*	12*	12*	12*
Fruit Nectars	60.8	271	22	66	102	130	36	92	125	142
Vegetable Juice	0	0	na	na	na	na	na	na	na	na
<u>Miscellaneous</u>										
Milk Drinks	20.2	90	1	2	4	7	4	9	12	20
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	23.8	106	2	6	12	17	8	18	24	35
Ready-to-Drink Soft Drinks, Low Calorie	3.8	17	<1	na	na	2	5	10	11	13
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	60.8	271	6	19	27	34	10	25	33	37
Ready-to-Drink Soft Drinks, Not Low Calorie	24.4	109	2	6	10	13	6	13	20	20
Sports and Energy Drinks	3.4	15	1*	na	na	14*	25*	43*	43*	73*

Table B-3 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Female Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	15.7	70	<1	1	2	4	2	5	9	11
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	3.6	16	<1*	na	na	4*	8*	20*	26*	26*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	41.3	184	7	23	31	39	16	32	41	56

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.

na= not applicable

Table B-4 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Male Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	33.7	140	1	4	6	8	4	7	10	11
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0	0	na	na	na	na	na	na	na	na
Meal Replacement Bars	3.8	16	<1	na	na	5	8	13	28	43
<u>Ice Cream</u>										
Ice cream	42.1	175	1	2	4	5	2	4	5	6
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	41.1	171	4	14	21	27	10	22	27	35
Fruit Juice	1.0	4	0	na	na	na	19	30	30	30
Fruit Nectars	65.1	271	26	87	114	134	42	107	132	154
Vegetable Juice	0.2	1	<1*	na	na	na	5*	5*	5*	5*
<u>Miscellaneous</u>										
Milk Drinks	14.4	60	1	2	4	6	4	9	15	18
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	24.8	103	2	7	14	19	9	19	28	36
Ready-to-Drink Soft Drinks, Low Calorie	5.8	24	<1	na	2	4	7	19	22	22
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	59.6	248	7	19	25	31	11	23	28	34
Ready-to-Drink Soft Drinks, Not Low Calorie	23.6	98	1	5	8	14	6	14	21	22
Sports and Energy Drinks	6.5	27	2	na	13	25	29	62	100	100

Table B-4 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Male Teenagers Aged 11 to 18 Years Within the U.K. (NDNS Data, 1997)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	21.9	91	1	2	3	6	3	6	8	16
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	2.6	11	1*	na	na	2*	22*	137*	137*	137*
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	36.8	153	7	21	40	49	19	46	57	68

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

Table B-5 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Female Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	24.0	230	1	2	3	5	2	5	7	8
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0.7	7	<1*	na	na	na	9*	15*	15*	15*
Meal Replacement Bars	2.9	28	<1	na	na	3	9	19	24	25
<u>Ice Cream</u>										
Ice cream	23.4	224	<1	1	2	2	1	2	3	4
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	38.4	368	2	9	12	15	6	13	17	21
Fruit Juice	2.8	27	<1	na	na	3	12	23	37	43
Fruit Nectars	23.7	227	4	12	24	44	17	44	58	69
Vegetable Juice	2.1	20	<1*	na	na	na	4*	10*	13*	16*
<u>Miscellaneous</u>										
Milk Drinks	14.5	139	1	2	5	8	5	12	17	23
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	18.2	174	1	4	9	14	8	18	30	39
Ready-to-Drink Soft Drinks, Low Calorie	2.2	21	<1	na	na	na	3	6*	7*	8*
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	27.0	259	2	5	9	15	6	13	22	25
Ready-to-Drink Soft Drinks, Not Low Calorie	10.8	103	1	1	4	8	5	12	14	18
Sports and Energy Drinks	3.2	31	1	na	na	11	27	51	74	134

Table B-5 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Female Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	6.6	63	<1	na	<1	1	1	3	4	5
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	15.8	151	4	8	21	39	23	46	76	175
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	37.9	363	7	23	33	43	18	37	46	54

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

Table B-6 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Male Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)

Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Chocolate Confectionary</u>										
Soft candy	17.1	131	<1	1	3	4	2	5	7	10
<u>Dietary Supplements</u>										
Meal Replacement Beverages	0.4	3	<1*	na	na	na	62*	172*	172*	172*
Meal Replacement Bars	3.3	25	<1	na	na	7	12	20	30	42
<u>Ice Cream</u>										
Ice cream	23.6	181	<1	1	2	2	1	2	3	3
<u>Juices and Ades</u>										
Calorie Reduced Fruit Drinks and Ades	35.8	274	2	7	11	15	6	12	16	20
Fruit Juice	4.0	31	<1	na	na	5	11	19	26	85
Fruit Nectars	24.8	190	5	15	29	50	19	51	70	79
Vegetable Juice	1.3	10	<1*	na	na	na	10*	28*	41*	41*
<u>Miscellaneous</u>										
Milk Drinks	10.6	81	<1	1	3	6	4	9	11	13
<u>Soft Drinks, Low Calorie</u>										
Carbonated Soft Drinks, Low Calorie (excluding cola-type soft drinks)	14.0	107	1	2	6	9	6	14	22	25
Ready-to-Drink Soft Drinks, Low Calorie	0.9	7	<1*	na	na	na	3*	9*	9*	9*
<u>Soft Drinks, Not Low Calorie</u>										
Carbonated Soft Drinks, Not Low Calorie (excluding cola-type soft drinks)	28.5	218	1	4	8	13	5	12	15	19
Ready-to-Drink Soft Drinks, Not Low Calorie	8.5	65	<1	na	2	5	4	9	12	16
Sports and Energy Drinks	6.1	47	2	na	10	20	28	88	118	126

Table B-6 Estimated Daily Per Kilogram Body Weight Intake of D-Ribose from Individual Proposed Food-Uses by Male Adults Aged 16 to 64 Years Within the U.K. (NDNS Data, 2000-2001)										
Food-Use Category	% Users	Actual # of Total Users	All-Person Consumption				All-Users Consumption			
			Mean (mg/kg bw)	Percentile (mg/kg bw)			Mean (mg/kg bw)	Percentile (mg/kg bw)		
				90 th	95 th	97.5 th		90 th	95 th	97.5 th
<u>Sugar Confectionary</u>										
Hard and Soft Candy	5.0	38	<1	na	na	0	1	3	6	6
<u>Tea, Coffee, and Water</u>										
Instant and Herbal Tea	10.2	78	2	1	10	22	19	47	61	128
<u>Yogurt, Fromage Frais, and Other Dairy Desserts</u>										
Yogurt (including frozen yogurt, excluding yogurt drinks)	31.5	241	5	17	25	33	15	31	38	43

*Indicates an intake estimate that may not be statistically reliable, as the sample size does not meet the minimum reporting requirements.
na= not applicable

APPENDIX C

**Representative MAFF Food Codes for All Proposed Food-Uses of D-Ribose
in the E.U.**

**Representative MAFF Food Codes for All Proposed Food-Uses for
D-Ribose in the E.U.**

Chocolate Confectionary**Soft Candy (excluding chocolate bars)**

[D-Ribose] = 1.67

- 2255 Plain chocolate confections, NO additions. NOT milk chocolate. Includes: Bournville chocolate, Terry's plain chocolate orange.
- 2256 Caramels, chocolate covered caramels. NO additions. Includes: Cadbury's (Caramel, Chomp, chocolate coated fudge finger, Tazzo), Galaxy (Swirls, caramel egg), Chewy nuts, chocol
- 2257 Other chocolate assortments, confections, mint chocolates. Includes: All Gold, Belgian-type, Black Magic, Milk Tray, Roses, Weekend, Cadbury's Wicked. Other: After Eights, choc
- 2273 Candy, chocolate, Turkish Delight, any, includes chocolate covered Turkish Delight, Fry's Turkish Delight
- 7037 Carob, chocolate substitute
- 7956 Chocolate and candy covered nuts. Brazil nut chocolates, Guylian nut assortment, peanut Treets, peanut M&M's, Hazel whirls, Nut Poppets
- 7958 Chocolate covered raisins, milk chocolate raisins, e.g. Poppets, chocolate raisins, NOT nut poppets
- 7962 Chocolate Creme eggs, e.g. Cadbury's, Mintolas
- 8302 Fruit and nut plain chocolate bar, e.g. Bournville
- 8372 Chocolate covered nuts and raisins e.g. fruit and nut Revels
- 8880 Diabetic milk chocolate
- 9110 Reduced sugar chocolate e.g., Boots sucrose free Chocco bar
- 9274 White chocolate coated raisins
- 9378 Diabetic chocolate, any type
- 7980 Fudge, NO additions. Includes: creamy fudge, rum and raisin fudge, NOT Cadbury's chocolate coated fudge finger, finger of fudge.

Dietary Supplements**Meal Replacement Beverages**

[D-Ribose] = 0.4%

- 649 Slender slimming drink, Build-Up drink, dry weight
- 2739 SLIMFAST RTD MEAL REPLACEMENT DRIN
- 3220 SLIMFAST DRINK (POWDER ONLY)
- 3785 Ensure Liquid vitamin + mineral su
- 3807 Fortisip protein nourishment drink

Meal Replacement Bars

[D-Ribose] = 5.0%

- 2987 CHOCOLATE CHIP BAR FORTIFIED E.G.
- 3159 NEW YORKER BREAKFAST BAR fortifie
- 3745 OAT & RICE CEREAL BAR FORTIFIED
- 7971 Applause bar
- 103546 Cambridge diet meal bar*

Ice Cream

Ice Cream (excluding frozen novelties)

[D-Ribose] = 0.4%

- 720 Ice cream, dairy, vanilla, block, hard, purchased
- 721 Ice cream, dairy, vanilla, soft scoop, purchased, e.g. Walls Cream of Cornish, NOT luxury or premium ice cream
- 722 Ice cream, non-dairy, vanilla, block, hard, purchased
- 723 Ice cream, non-dairy, vanilla, soft scoop, purchased, e.g. Walls Blue Ribbon
- 724 Ice cream, dairy, flavoured, block, hard, purchased
- 725 Ice cream, dairy, flavoured, soft scoop, purchased any other flavours, e.g. Walls Carte d'or, strawberry, coffee, Neapolitan. NOT luxury or premium ice cream
- 726 Ice cream, non-dairy, flavoured, block, hard, purchased, includes Ice cream on a stick, e.g. Funny Faces, Kick Off
- 727 Ice cream, non-dairy, flavoured but NOT toffee with fudge or toffee pieces, soft scoop, purchased, e.g. strawberry, coffee, Neapolitan
- 728 Ice cream, Mr. Whippy type, purchased
- 729 Ice lollies, containing ice cream, e.g. Mivvi, own brand splits, tangle twister, Walls Red Alert, Solero, Opal Fruits Ice lolly
- 730 Chocolate ices, purchased, made with non-dairy ice cream or unspecified, e.g. walls Chunky, Blue Ribbon chocolate ices, own brand. NOT chocolate ices with caramel, nuts or bisc
- 731 Ice cream, cornet, purchased, e.g. King Cone, Cornetto NOT Frozen yogurt Cornetto
- 732 Ice cream, luxury or premium, dairy, containing chocolate, caramel or toffe pieces, Feast, Triple Chocolate, Toffee Crumble, Max the Lion, Sky
- 2852 CHOC ICES REDUCED FAT E.G. FLYTE
- 2934 Cassata - ice-cream with chocolate
- 3518 ICE CREAM MADE WITH SINGLE CREAM
- 4409 Ice cream
- 4571 Ice cream, Indian kulfi, mango flavour
- 4618 Ice cream, blackcurrant
- 4720 Ice cream, strawberry
- 4723 Ice cream
- 5155 Ice cream, luxury or premium, dairy, containing chocolate, caramel, toffee, nuts and/or biscuit pieces, e.g., Haagen Dazs, Sainsbury's Indulgence, Ben and Jerrys, Mackies, Rani
- 5251 Ice cream, luxury or premium, dairy, vanilla only, e.g., Mackies, Losely, Haagen Daazs, own brands
- 5252 Ice cream, luxury or premium, dairy, any other flavours, e.g., strawberry, coffee, neapolitan, e.g., Haagen Dazs, Sainsbury's Indulgence, Ben and Jerry's, Mackies, Ranieri, Asd
- 6970 Ice cream non dairy chocolate on
- 6971 Ice cream dairy chocolate hard
- 6972 Ice cream dairy chocolate soft
- 6973 Ice cream cornet purchased straw
- 7758 Ice cream, reduced or low calorie, e.g. Weight Watchers, Walls Blue Ribbon, Vanilla Light, Walls Strawberry Light, Dolcella. NOT Walls Too Good to be True
- 7759 Ice cream desserts, e.g. Walls Viennetta, Sonata, Romantica, Carrisimo, and Lyons Maid Hostess, own brands
- 7760 Ice cream, Indian kulfi, homemade or purchased
- 7761 Ice lollies, milk, e.g. Walls Mini Milk, Lyons Maid, Mr. Men Dairy, Friff
- 8009 Ice cream, non-dairy, soft scoop, containing toffee, chocolate, nuts, caramel, fudge, or biscuit pieces, e.g. Gino Ginelli toffee fudge
- 8623 Opal fruits ice lolly
- 8663 Ice cream, dairy, soft scoop with chocolate, nuts, caramel, toffee or biscuit pieces. NOT luxury or premium ice cream, e.g., Walls dairy chocolate
- 9927 Ice cream, Virtually Fat Free e.g., Walls Too Good To Be True
- 103688 Ice cream, Mars bar, with Mars bar sauce*

Juices and Ades**Calorie Reduced Fruit Drinks and Ades**

[D-Ribose] = 0.4%

- 2318 Apple juice, pasteurised only, NOT canned, unsweetened
- 2319 Apple juice, UHT or Longlife unsweetened NOT pasteurised, NOT canned, e.g. Appletise, Shloer, Kiri. NOT Tango Apple
- 2325 Grape juice, NOT canned, unsweetened
- 2327 Grapefruit juice, not canned, unsweetened
- 2328 Grapefruit juice, canned unsweetened
- 2329 Grapefruit juice, pasteurised, NOT canned, but unsweetened
- 2330 Grapefruit juice, UHT or Longlife NOT pasteurised, NOT canned, but unsweetened
- 2336 Orange juice, canned, unsweetened
- 2337 Orange juice, pasteurised, unsweetened NOT canned
- 2338 Orange juice, UHT or Longlife NOT pasteurised, unsweetened. NOT canned.
- 2343 Pineapple juice, canned unsweetened
- 2344 Pineapple juice, pasteurised, unsweetened, NOT canned
- 2345 Pineapple juice, UHT or Longlife, unsweetened. NOT pasteurised, NOT canned
- 2357 Mixed fruit juice, 100% juice, e.g. Real NO sugar or water, NOT canned, unsweetened
- 2360 Orange juice, frozen, made up, NOT canned, unsweetened
- 8450 Mixed fruit juice, 100% fruit juice e.g. "Real", canned unsweetened
- 8604 Mango juice, NOT canned, unsweetened
- 8640 Prune juice, NOT canned. Unsweetened.

Non-Reconstituted Calorie Reduced Fruit Drinks and Ades

[Adjusted for Concentration Factor of 400%]

[D-Ribose] = 1.6%

- 2359 Orange juice, frozen, concentrated, NOT canned, unsweetened
- 9186 Concentrated apple/pear juice, unsweetened
- 9186 Concentrated apple/pear juice, unsweetened

Fruit Juice

[D-Ribose] = 1.2%

- 2317 Apple juice, canned, unsweetened, e.g. Appletise, Shloer, Kiri, NOT Tango Apple
- 2326 Grapefruit juice, canned, sweetened
- 2334 Orange juice, canned, sweetened
- 2335 Orange juice, not canned, sweetened
- 2341 Pineapple juice, canned, sweetened
- 2342 Pineapple juice, not canned, sweetened
- 2985 FRUIT JUICES/SMOOTHIE WITH VITAMIN
- 3547 Wheatgrass Juice
- 3961 Grapefruit juice, concentrate
- 4192 Apple juice, concentrated
- 4987 Capri sonne, fruit juice drink
- 6827 Sunny Delight, fruit juice drink
- 8539 Juice only, from fruit canned in juice

Non-Reconstituted Calorie Reduced Fruit Nectars

[Adjusted for Concentration Factor of 700%]

[D-Ribose] = 2.8%

- 2346 Concentrated Ribena blackcurrant juice drink, old formulation NOT low sugar, NOT baby Ribena,
- 2348 Concentrated fruit juice drink, fruit squash, fruit cordial, fruit crush, NOT blackcurrant - Rosehip syrup, drink mix, undiluted
- 7906 Concentrated Ribena blackcurrant juice drink, light, low sugar old formulation NOT Baby Ribena
- 7917 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, NOT blackcurrant - C-vit, multi-vitamin drink with calcium
- 7919 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, blackcurrant flavour only, C-Vit, multi-vitamin drink with calcium, Includes C-Vit reduced sugar cordial
- 8485 Concentrated Ribena juice drink, orange and apricot only
- 8791 Concentrated Ribena blackcurrant juice drink, new formulation (with more vitamins) NOT low sugar, NOT baby Ribena or Ribena light
- 8792 Concentrated Ribena blackcurrant juice drink, light, low sugar, new formulation (with more vitamins) NOT Baby Ribena,
- 9187 Concentrated Ribena blackcurrant juice drink, no added sugar, includes Ribena Toothkind. NOT Ribena Light

Non-Reconstituted Calorie Reduced Fruit Nectars

[Adjusted for Concentration Factor of 600%]

[D-Ribose] = 2.4%

- 5498 Concentrated Ribena blackcurrant juice drink, NOT Ribena Light or no added sugar.
- 5499 Concentrated Ribena blackcurrant juice drink, light, lower sugar, NOT no added sugar
- 5500 Concentrated Ribena blackcurrant juice drink, no added sugar, includes Ribena Toothkind. NOT Ribena Light

Non-Reconstituted Calorie Reduced Fruit Nectars

[Adjusted for Concentration Factor of 500%]

[D-Ribose] = 2.0%

- 2331 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, NOT blackcurrant, lime juice cordial
- 2349 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, NOT blackcurrant, NOT fortified with vitamin C, Sainsbury's Waitrose, Safeway, St Michael o
- 2351 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, NOT blackcurrant, NOT fortified with vitamin C (ascorbic acid), sugar free, diet, no added sugar
- 2353 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, NOT blackcurrant, fortified with vitamin C (ascorbic acid)
- 5425 Concentrated high juice drink, high juice squash, reduced sugar, NOT diet or low calorie, containing blackcurrant
- 7911 Concentrated high juice drink, high juice squash, any flavour, EXCEPT blackcurrant, NOT fortified with vitamin C (ascorbic acid), NOT diet or low calorie
- 7913 Concentrated high juice drink, high juice squash, blackcurrant, fortified with vitamin C (ascorbic acid), NOT diet or low calorie
- 7915 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, blackcurrant flavour only, fortified with vitamin C (ascorbic acid), e.g., Sainsbury's Wait
- 8458 Concentrated high juice drink, high juice squash, any flavour, EXCEPT blackcurrant, fortified with vitamin C (ascorbic acid)
- 8462 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, blackcurrant flavour only, NOT fortified with vitamin C (ascorbic acid)
- 8464 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, blackcurrant flavour only, NOT fortified with vitamin C (ascorbic acid) NOT C-Vit
- 8466 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, NOT blackcurrant, fortified with vitamin C (ascorbic acid)

- 8468 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, blackcurrant flavour only, fortified with vitamin C (ascorbic acid) NOT C-Vit
- 8471 Concentrated fruit juice drink, NOT low calorie, mixed fruit, NOT fortified with vitamin C (ascorbic acid) NOT Ribena mixed fruit juice drinks
- 8491 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, Barley water, any fruit e.g. Robinson's fruit break drinks, NOT fortified
- 8608 Concentrated fruit juice drink, low calorie or diet, mixed fruit, NOT fortified with vitamin C (ascorbic acid)
- 8610 Concentrated fruit juice drink, Special R, low calorie, i.e. Robinson's
- 8616 Concentrated fruit juice drink, NOT low calorie, apple, fortified with vitamin C (ascorbic acid)
- 8706 Concentrated fruit juice drink, low calorie or diet, orange, grapefruit, lemon or pineapple, NOT fortified with vitamin C (ascorbic acid)
- 8760 Concentrated fruit juice drink, NOT low calorie, mixed fruit, fortified with vitamin C (ascorbic acid)
- 8788 Concentrated fruit juice drink, NOT low calorie, orange, grapefruit, lemon or pineapple, NOT fortified with vitamin C (ascorbic acid)
- 8850 Concentrated fruit juice drink, low calorie or diet, mixed fruit, fortified with vitamin C (ascorbic acid)
- 9170 Concentrated fruit juice drink, blackcurrant, fortified
- 9183 Concentrated fruit drinks, low caloric, fortified, i.e. Wells
- 9186 Concentrated apple/pear juice, unsweetened

Fruit Nectars

[D-Ribose] = 1.0%

- 2651 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, SUPER-concentrated, any flavour, fortified with vitamin C (ascorbic acid), e.g. Teisseire Sirop de Fruits
- 6826 Concentrated cordial not containing fruit juice e.g., Belvoir elderflower, ginger or pink ginger cordials, peppermint cordial
- 6963 ROBINSONS SPECIAL R CONCENTRATES
- 8460 Concentrated high juice drink, high juice squash, blackcurrant, NOT fortified with vitamin C (ascorbic acid)
- 9995 Concentrated high juice drink, high juice squash, reduced sugar, e.g. high juice squash lite, any fruit except blackcurrant, NOT diet or low calorie squash
- 9996 Concentrated fruit drink, fruit juice drink, fruit cordial, squash, NOT low calorie, containing blackcurrant, any other brand not specified at 7915 e.g., Kia Ora pear and black
- 9997 Concentrated fruit drink, fruit juice drink, fruit cordial, squash, NOT low calorie, any fruit except blackcurrant, any other brand not specified at 2349
- 9998 Concentrated fruit drink, fruit squash, fruit cordial, fruit crush, low calorie or diet barley water, no added sugar, sugar free, low sugar, containing blackcurrant, e.g., Ro

Vegetable Juice

[D-Ribose] = 2.2%

- 1944 Vegetable juice, NOT 100% carrot juice, NOT 100% tomato juice, canned unsweetened
- 2355 Tomato juice, canned unsweetened
- 2356 Tomato juice, NOT canned, unsweetened
- 2361 Carrot juice, NOT canned, unsweetened
- 3547 Wheatgrass Juice

Miscellaneous**Milk Drinks (excluding malts and shakes)**

[D-Ribose] = 0.4%

- 2640 Beverage mix, drinking chocolate, from vending machine, as served
- 7888 Beverage mix, Drinking chocolate, Instant NO sugar added, dry weight e.g. Carnation chocolate

9369 Beverage mix, drinking chocolate, reduced fat, dry weight, e.g., Sainsbury's, Tesco, Boots, Impress. NOT instant

Non-Reconstituted Milk Drinks

[Adjusted for Concentration Factor of 5,200%]

[D-Ribose] = 20.8%

2303 Beverage mix, cocoa powder, dry weight

Non-Reconstituted Milk Drinks

[Adjusted for Concentration Factor of 2,300%]

[D-Ribose] = 9.2%

7890 Beverage mix, chocolate based low calorie instant drinks with artificial sweetener, dry weight e.g., Wander Options Range "Choc-N-Orange Choc-a-Mocha, Choc-o-nut, Choc-a-Mint,

Non-Reconstituted Milk Drinks

[Adjusted for Concentration Factor of 2,100%]

[D-Ribose] = 8.4%

8957 Bambu chicory drink, coffee substitute

Non-Reconstituted Milk Drinks

[Adjusted for Concentration Factor of 1,200%]

[D-Ribose] = 4.8%

2302 Beverage mix, Casilan, dry weight

2309 Beverage mix, drinking chocolate powder, dry weight, not instant, not reduced fat. Includes Nesquik Hot Chocolate Drink

2633 Beverage mix, drinking chocolate, Instant, fat reduced or low fat, dry weight

Non-Reconstituted Milk Drinks

[Adjusted for Concentration Factor of 1,000%]

[D-Ribose] = 4.0%

2632 Beverage mix, drinking chocolate, instant, dry weight, e.g. Cadbury's Chocolate Break NOT fat reduced

Non-Reconstituted Milk Drinks

[Adjusted for Concentration Factor of 400%]

[D-Ribose] = 1.6%

2305 Beverage mix, Complian, dry weight

Soft Drinks, Low Calorie

Carbonated Soft Drinks, Low Calorie (Excluding Cola-Type Soft Drinks)

[D-Ribose] = 0.4%

2323 Carbonated beverages, low calorie, canned

2324 Carbonated beverages, low calorie, bottled

4729 Ready to drink Ribena blackcurrant juice drink, Diet Ribena Spark, low calorie, canned, carbonated (sparkling), vitamin C drink, NOT Baby Ribena

- 5253 Mineral water based drinks, light or low calorie, still or carbonated, sweetened with artificial sweeteners e.g., Caledonian clear light, Sainsbury's diet elderflower juice dr
- 5506 Ready to drink Ribena juice drink, low calorie lightly sparkling spring water, any flavour, Ribena Twist
- 7898 Lemonade, canned, diet (low calorie, sugar free, or no added sugar) Includes traditional and old fashioned or diet lemonade NOT Diet 7 Up Lemon and Lime or Diet Sprite
- 7899 Lemonade, diet (low calorie or sugar free), NOT canned, e.g. Diet lemonade NOT Diet 7 Up Lemon and Lime or Diet Sprite
- 8326 Diet Irn Bru, canned
- 8327 Diet Irn Bru, NOT canned
- 8360 Fruit juice drink, fruit drink, fruit crush, carbonated, low calorie, containing fruit juice, low calorie, e.g. Diet Sunkist, Diet Fanta, Diet Gini, Diet Tango, (NOT Tango App
- 8362 Apple juice drink, carbonated, canned, low calorie, e.g. Diet Kiri, low calorie Tango Apple
- 8379 Tonic water, Slimline, canned
- 8380 Tonic water, Slimline, NOT canned
- 8445 Fruit Juice drink, fruit drink, fruit crush, carbonated, fortified with vitamin C (ascorbic acid), containing fruit juice, low calorie, e.g. Diet Sunkist, Diet Fanta, Diet Gini
- 8448 Fruit juice drink, fruit drink, fruit crush, carbonated, low calorie NOT fortified with vitamin C (ascorbic acid) e.g. Diet Lilt, NOT apple, pear, or grape juice drink, NOT jui
- 8449 Fruit Juice drink, fruit drink, fruit crush, carbonated, low calorie, NOT fortified with vitamin C (ascorbic acid) NOT apple, pear, or grape juice drink, NOT juice and lemonade
- 8457 Apple juice drink, carbonated, low calorie, NOT canned, NOT Ribena, e.g. Diet Kiri, low calorie Tango Apple
- 2323 Carbonated beverages, low calorie, canned
- 2324 Carbonated beverages, low calorie, bottled
- 4729 Ready to drink Ribena blackcurrant juice drink, Diet Ribena Spark, low calorie, canned, carbonated (sparkling), vitamin C drink, NOT Baby Ribena
- 5116 Ready to drink Ribena blackcurrant juice drink, low calorie, made with spring water, canned, Ribena spring, no added sugar
- 5253 Mineral water based drinks, light or low calorie, still or carbonated, sweetened with artificial sweeteners e.g., Caledonian clear light, Sainsbury's diet elderflower juice dr
- 5506 Ready to drink Ribena juice drink, low calorie lightly sparkling spring water, any flavour, Ribena Twist
- 7898 Lemonade, canned, diet (low calorie, sugar free, or no added sugar) Includes traditional and old fashioned or diet lemonade NOT Diet 7 Up Lemon and Lime or Diet Sprite
- 7899 Lemonade, diet (low calorie or sugar free), NOT canned, e.g. Diet lemonade NOT Diet 7 Up Lemon and Lime or Diet Sprite
- 7902 Carbonated beverages, NOT containing fruit juice, canned, low calorie, e.g. diet ginger beer, diet limeade, diet cherryade, diet orangeade, diet 7 up, diet Sprite, Dr. Pepper d
- 7903 Carbonated beverages, NOT containing fruit juice, low calorie, NOT canned, e.g. diet ginger beer, diet limeade, diet cherryade, diet 7 up, diet Sprite, Dr. Pepper Diet, NOT col
- 8326 Diet Irn Bru, canned
- 8327 Diet Irn Bru, NOT canned
- 8360 Fruit juice drink, fruit drink, fruit crush, carbonated, low calorie, containing fruit juice, low calorie, e.g. Diet Sunkist, Diet Fanta, Diet Gini, Diet Tango, (NOT Tango App
- 8362 Apple juice drink, carbonated, canned, low calorie, e.g. Diet Kiri, low calorie Tango Apple
- 8379 Tonic water, Slimline, canned
- 8380 Tonic water, Slimline, NOT canned
- 8445 Fruit Juice drink, fruit drink, fruit crush, carbonated, fortified with vitamin C (ascorbic acid), containing fruit juice, low calorie, e.g. Diet Sunkist, Diet Fanta, Diet Gini
- 8448 Fruit juice drink, fruit drink, fruit crush, carbonated, low calorie NOT fortified with vitamin C (ascorbic acid) e.g. Diet Lilt, NOT apple, pear, or grape juice drink, NOT jui
- 8449 Fruit Juice drink, fruit drink, fruit crush, carbonated, low calorie, NOT fortified with vitamin C (ascorbic acid) NOT apple, pear, or grape juice drink, NOT juice and lemonade
- 8457 Apple juice drink, carbonated, low calorie, NOT canned, NOT Ribena, e.g. Diet Kiri, low calorie Tango Apple

- 9992 7-Up Light only, canned
9994 7-Up Light only, NOT canned, bottlele

Ready-to-Drink Soft Drinks, Low Calorie

[D-Ribose] = 0.4%

- 2323 2352 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, NOT blackcurrant, barley water NOT fortified with vitamin C (ascorbic acid)
3217 BLACKCURRANT & BLACKBERRY DRINK WI
3257 SUNNY DELIGHT LIGHT FRUIT JUICE D
5113 Ready to drink fruit flavour drink, any flavour, not containing juice, low calorie, diet, no added sugar, sugar free
5114 Ready to drink Ribena blackcurrant juice drink, no added sugar, includes Ribena Toothkind NOT Ribena Light
5505 Ready to drink Ribena blackcurrant juice drink, low calorie or diet, no added sugar, includes Ribena Toothkind,
7905 Ready to drink Ribena blackcurrant juice drink, light, low sugar NOT carbonated, NOT Baby Ribena
8029 Ready to drink fruit juice drink, mixed fruit, low calorie or diet with artificial sweetener, NO added sugar, NOT fortified with vitamin C (ascorbic acid) e.g. Oasis Light
8452 Ready to drink fruit juice drink, mixed fruit, low calorie or diet with artificial sweetener, NO added sugar, fortified with vitamin C (ascorbic acid)
8465 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, blackcurrant only, NOT fortified with vitamin C (ascorbic acid)
8467 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, NOT blackcurrant, barley water fortified with vitamin C (ascorbic acid)
8469 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, low calorie, blackcurrant only, fortified with vitamin C (ascorbic acid) NOT C-Vit
8472 Ready to drink fruit juice drink, low calorie or diet, no added sugar, orange, grapefruit, lemon or pineapple, fortified with vitamin C (ascorbic acid), no added sugar, sugar
8473 Ready to drink fruit juice drink, low calorie or diet, no added sugar, orange, grapefruit, lemon or pineapple, NOT fortified with vitamin C (ascorbic acid)
8474 Ready to drink fruit juice drink, low calorie or diet, no added sugar, blackcurrant, fortified with vitamin C (ascorbic acid) NOT Ribena, e.g. Robinson's Special 'R'
8475 Ready to drink fruit juice drink, low calorie or diet, no added sugar, blackcurrant, NOT fortified with vitamin C (ascorbic acid) NOT Ribena
9966 Ready to drink, Ribena blackcurrant juice drink, high fibre

Soft Drinks, Not Low Calorie

Carbonated Soft Drinks, Not Low Calorie (Excluding Cola-Type Soft Drinks)

[D-Ribose] = 0.4%

- 2320 Apple juice drink or grape juice drink, carbonated, NOT canned e.g., Tango Apple, Sholer Grapetize. NOT Ribena, Appletise, Shloer, Kiri
2321 Lemonade or shandy canned, carbonated. Includes traditional and old-fashioned lemonade. NOT still lemonade. NOT 7 Up lemon and lime or Sprite
2340 Fruit juice and lemonade drink, carbonated, contains at least 50% juice (orange, grapefruit, pineapple) e.g. Britvic 55, Rawlings 60, Aqualibra NOT juice drink (less than 50%)
2404 Fruit juice and lemonade, carbonated, canned, contains at least 50% juice (orange, grapefruit, pineapple) e.g. Britvic 55, Rawlings 60 NOT apple juice, NOT juice drink (less th
2641 Apple juice drink, carbonated, canned e.g. Tango Apple, NOT Appletise, Shloer, Kiri
3749 Purdeys multivitamin fruit drink
5115 Ready to drink Ribena blackcurrant juice drink, NOT low calorie, made with spring water, canned, Sparkling Ribena Spring
5151 Amé sparkling juice drink with herbs and vitamins ONLY

- 5343 Mineral water based drinks, still or carbonated, sweetened with sugar e.g., Caledonian Clear, Calm and Clear, Sainsbury's elderflower juice drink, Sainsbury's Mirelle
- 7900 Carbonated beverages, not containing fruit juice, canned, e.g. ginger beer, orangeade, limeade, cherryade, 7 UP, Sprite, cream soda, Dr. Pepper, NOT Cola, tonic water, Irn Br
- 7901 Carbonated beverages NOT containing fruit juice, NOT canned, e.g. ginger beer, limeade, orangeade, cherryade Sprite, cream soda, Dr. Pepper, NOT cola, tonic water, Irn Bru or I
- 7907 Ready to drink Ribena blackcurrant juice drink, Ribena Spark, NOT low calorie, canned, carbonated (sparkling), vitamin C drink, NOT Baby Ribena, NOT sparkling Ribena Spring
- 7910 Pear juice drink, carbonated, e.g. Shloer NOT Shloer apple juice, NOT canned
- 8324 Irn Bru, canned
- 8325 Irn Bru, NOT canned
- 8328 Fruit juice drink, fruit drink, fruit crush, carbonated, canned, containing less than 50% fruit juice, e.g. Sunkist, Citrus spring, Fanta, Gini, Lilt, Orangina, Vimto, Rio, own
- 8332 Tonic water, NOT slimline, canned
- 8378 Tonic water, NOT slimline, NOT canned
- 8444 Fruit juice drink, fruit drink, fruit crush, carbonated, fortified with vitamin C (ascorbic acid), containing fruit juice e.g. Tango (NOT Tango apple), Sunkist, Citrus Spring, Fanta,, NOT low calorie
- 8446 Fruit juice drink, fruit drink, fruit crush, carbonated, NOT fortified with vitamin C (ascorbic acid) e.g. Robinson's sparkling juice drink, Lilt, NOT apple, pear, or grape jui
- 8447 Fruit juice drink, fruit drink, fruit crush, carbonated, NOT fortified with vitamin C (ascorbic acid) NOT apple, pear or grape juice drink, NOT juice and lemonade
- 8753 Lemonade, fortified with vitamin C (ascorbic acid), not canned
- 9100 Suncharm, Iron brew soft drink
- 9991 7-Up only, canned, not low calorie
- 9993 7-Up only, NOT canned, not low calorie
- 2322 Lemonade or shandy, carbonated. NOT canned. NOT 7 Up Lemon and Lime or Sprite

Ready-to-Drink Soft Drinks, Not Low Calorie

[D-Ribose] = 0.4%

- 2332 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, NOT blackcurrant, Lime juice cordial, made up
- 2347 Ready to drink Ribena blackcurrant juice drink, NOT low sugar, NOT canned, NOT Baby Ribena
- 2350 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, NOT blackcurrant, barley water, NOT fortified with vitamin C (ascorbic acid)
- 2354 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, NOT blackcurrant, barley water fortified with vitamin C (ascorbic acid)
- 2358 Ready to drink fruit juice drink, NOT low calorie, NO artificial sweetener, mixed fruit or summer fruit juice drink, fortified with vitamin C (ascorbic acid) NOT Ribena mixed j
- 2405 Ready to drink Ribena blackcurrant juice drink, canned
- 3362 WOLFRA MULTIVITAMIN FRUIT JUICE DR
- 3548 FRUIT JUICE DRINK WITH VIT A C &
- 3556 Vitofit Vitamin drink e.g. lids
- 3806 FRUIT DRINK WITH CREAM AND VIT E E
- 4056 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, lemon, canned
- 5111 Lemonade, still, not low calorie
- 5112 Fruit flavour drink, any flavour, not containing juice, NOT low calorie
- 5501 Ready to drink Ribena blackcurrant juice drink, NOT Ribena Light or no added sugar, NOT carbonated
- 5502 Ready to drink Ribena juice drink or smoothie, orange, orange and apricot, range tropical, or pineapple, with cream
- 5503 Ready to drink Ribena juice drink, apple, forest fruit, raspberry or strawberry NOT blackcurrant or orange and apricot Ribena
- 5504 Ready to drink Ribena blackcurrant juice drink, light, low sugar NOT carbonated, Ribena Light, NOT no added sugar Ribena

- 6402 Start-up fruit juice drink, Sanatogen, fortified
- 7908 Ready to drink Ribena juice drink, apple, forest fruit, or strawberry NOT canned, NOT Baby Ribena, NOT blackcurrant Ribena
- 7909 Ready to drink Ribena juice drink, orange and apricot only
- 7912 Ready to drink, high juice drink, high juice squash, any flavour, EXCEPT blackcurrant, NOT fortified with vitamin C (ascorbic acid) NOT diet or low calorie
- 7914 Ready to drink, high juice drink, high juice squash, blackcurrant, fortified with vitamin C (ascorbic acid), NOT diet or low calorie
- 7916 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, blackcurrant only, Squash, crush, drink, fortified with vitamin C (ascorbic acid)
- 7918 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, NOT blackcurrant, C-Vit, multi-vitamin drink with calcium, orange or orange and peach
- 7920 Ready to drink, fruit drink, fruit squash, fruit cordial, fruit crush, blackcurrant only, C-Vit, multi-vitamin drink with calcium, Includes C-Vit reduced sugar blackcurrant
- 8451 Ready to drink fruit juice drink, NOT low calorie, NO artificial sweetener, mixed fruit drink, NOT fortified with vitamin C (ascorbic acid) NOT Ribena mixed juice drinks
- 8453 Ready to drink fruit juice drink, NOT low calorie, NO artificial sweetener, citrus orange, grapefruit, lemon or pineapple, fortified with vitamin C (ascorbic acid, includes Sai
- 8454 Ready to drink fruit juice drink, NOT low calorie, NO artificial sweetener, orange, grapefruit, lemon or pineapple, NOT fortified with vitamin C (ascorbic acid)
- 8455 Ready to drink fruit juice drink, NOT low calorie, NO artificial sweetener, blackcurrant, fortified with vitamin C (ascorbic acid) NOT Ribena, includes Sainsbury's low sugar bl
- 8456 Ready to drink fruit juice drink, NOT low calorie, NO artificial sweetener, blackcurrant, NOT fortified with vitamin C (ascorbic acid) NOT Ribena
- 8459 Ready to drink, high juice drink, high juice squash, any flavour, EXCEPT blackcurrant, fortified with vitamin C (ascorbic acid)
- 8461 Ready to drink, high juice drink, high juice squash, blackcurrant, NOT fortified with vitamin C (ascorbic acid)
- 8463 Ready to drink fruit drink, fruit squash, fruit cordial, fruit crush, NOT low calorie, blackcurrant only, NOT fortified with vitamin C (ascorbic acid)
- 8691 Ready to drink fruit juice drink, NOT low calorie, NO artificial sweetener, apple, fortified with vitamin C (ascorbic acid) NOT Ribena, Includes Sainsbury's low sugar apple jui
- 9137 Ready to drink, lemon and lime drink, fortified, i.e. Boots
- 9157 Ready to drink, mango juice drink, i.e. Rubicon
- 103578 Pina colada, virgin*

Sports and Energy Drinks

[D-Ribose] = 2.2%

- 2333 Lucozade drink, carbonated, NOT canned. NOT Lucozade with orange, lemon or tropical barley
- 2403 Lucozade canned, carbonated, NOT Lucozade with orange, lemon or tropical barley
- 2843 V ENERGY DRINK FORTIFIED WITH GUA
- 3247 LIPOVITAN B3 CARBONATED ENERGY DRI
- 3484 LUCOZADE SPORT BOTTLED
- 3738 Lucozade solstis with B vitamins
- 5468 Lucozade sport, isotonic lucozade, canned, carbonated
- 5545 Red bull or red card energy drink, carbonated (Britvic) ONLY
- 5947 Virgin or Boots fruit flavoured high energy drink ONLY
- 8490 Lucozade fortified with vitamin C (ascorbic acid), carbonated, e.g. Lucozade orange, lemon or tropical barley crush, NOT canned, NOT low calorie
- 8515 Lucozade, canned, fortified with vitamin C (ascorbic acid) , e.g. Lucozade orange, lemon or tropical barley crush, NOT low calorie
- 8888 Lucozade, sport, isotonic drinks, not carbonated
- 7327 Lucozade light, canned
- 8331 Lucozade light, NOT canned

Sugar Confectionary**Hard Candy**

[D-Ribose] = 2.0%

- 2267 Candy. Includes: Fruit pastilles, sugar coated fruit jellies, sugar coated fruit jelly shapes, jelly tots, juice jellies, New Berry Fruits, orange and lemon slices, jellies, th
- 2270 Candy, includes Fizzers, Refreshers, love hearts, parma violets, sherbet, sweets and powders
- 2271 Candy, includes Candy cigarettes, dolly mixtures, kendal mint cakes, Peppermint creams, NOT chocolate covered
- 6181 Boiled sweets, sugar-free, including throat lozenges
- 7953 American hard gums
- 7968 Sugar free mints, e.g. cool , Velamints, Meltis
- 7981 Vitasweets, fortified with vitamins
- 7982 Extra Strong mints, Triple X mints, Special mint Imperials NOT mint Imperials
- 8304 Clear mints, glacier mints, buttermints, mint humbugs mild mints
- 8305 Everton mints, Murray Mints
- 8307 Polo mints, mint Imperials, Trebor mints, mint Tic Tacs NOT Special Mint Imperials
- 8968 Lollipops, fortified with vitamin C, NOT ice lollies

Tea, Coffee, and Water**Instant and Herbal Tea**

[D-Ribose] = 0.7%

- 2638 Tea, from vending machine, with whitener, no sugar, as served
- 2639 Tea, from vending machine, with whitener and sugar, as served
- 5340 Tea, fruit only, as served, not with milk
- 5341 Tea, herb and fruit mix, as served, not with milk
- 7000 Tea, herbal, as served NOT with milk

Non-Reconstituted Instant and Herbal Tea

[Adjusted for Concentration Factor of 8,100%]

[D-Ribose] = 56.7%

- 8318 Tea, instant with milk powder added, dry weight, e.g. Typhoo QT

Non-Reconstituted Instant and Herbal Tea

[Adjusted for Concentration Factor of 4,400%]

[D-Ribose] = 30.8%

- 2316 Tea, instant freeze dried, lemon tea, dry weight NOT Typhoo QT

Non-Reconstituted Instant and Herbal Tea

[Adjusted for Concentration Factor of 2,500%]

[D-Ribose] = 17.5%

- 3545 APPLE TEA WITH VITAMIN C (100 mg)

Non-Reconstituted Instant and Herbal Tea

[Adjusted for Concentration Factor of 1,300%]

[D-Ribose] = 9.1%

- 3792 Instant herbal fruit tea dry weig

Yogurt, Fromage Frais, and Other Dairy Desserts

Yogurt (Including Frozen Yogurt, Excluding Yogurt Drinks]

[D-Ribose] = 2.2%

- 701 Creamy yogurt, whole milk yogurt, flavoured or containing fruit/nuts or with separate fruit/nuts, includes whole milk bio and organic yogurt, e.g. Muller Fruit Corner, Ski Spil
- 702 Creamy yogurt, whole milk yogurt, natural, unsweetened, e.g. Sainsbury's whole milk natural yogurt, includes natural bio and organic yogurt
- 703 Low fat yogurt, any flavour but NOT containing fruit or nuts, sweetened, includes set yogurt, e.g. St Ivel Fiendish Feet, Le yogurt Actif fruit flavour set NOT longlife, UHT or
- 704 Low fat yogurt, containing fruit only, sweetened, includes live yogurt range, includes low fat bio or organic yogurt and low fat twin pot yogurt e.g. Ski Classic, Extra fruit S
- 705 Low fat yogurt, natural, unsweetened NOT longlife, UHT or pasteurised
- 706 Low fat yogurt, containing muslin or nuts only, sweetened or unsweetened NOT longlife, UHT or pasteurised
- 707 Yogurt, low fat, unsweetened, any fruit or fruit flavoured
- 708 Low fat yogurt, longlife, UHT or pasteurised (not refrigerated), natural or any fruit or flavour, e.g. Fruit basket, Dennis the Menace, St Ivel Prize
- 712 Low fat yogurt, natural, slightly sweetened NOT longlife, UHT or pasteurised
- 713 Low fat diet yogurt, with artificial sweetener, e.g. own brand NOT longlife, UHT or pasteurised
- 2700 Yogurt virtually fat free natura
- 2701 Yogurt virtually fat free fruit
- 2702 Yogurt low fat french set fruit
- 2730 LOW FAT YOGURT CONTAINING FRUIT
- 2991 Curried yogurt with gram flour
- 3223 YOGURT AND FROMAGE FRAIS MOUSSE L
- 4089 Homemade yogurt with semi-skimmed milk
- 5259 Thick and creamy twinpot fruit yogurts, full fat yogurt with separate fruit portion, e.g., Muller fruit corner, Sainsbury's Duet, Tesco Fruit Plus, Safeway Double Treat, Co-op
- 5260 Thick and creamy; whole milk yogurt, fortified with vitamins A, C and D, e.g., Ribena
- 5261 Thick and creamy; whole milk yogurt, fortified with vitamin C, e.g., Mr Men
- 5361 Yogurt, with added cream and sugar
- 5408 Thick and creamy twinpot yogurt with separate cereal/ crumble portion, with fruit
- 5529 Thick and creamy; whole milk yogurt; fortified with vitamin E and B vitamins, e.g., Müller Kids Corner
- 6997 Yogurt greek style cows with h
- 7741 Greek or Greek style cows milk yogurt, strained, plain, unflavored, e.g. Total, own brand, Asda natural Greek style, Safeway, NOT Total light
- 7742 Greek sheeps milk yogurt, natural, unflavoured and unsweetened, e.g. Total original sheeps yogurt NOT containing fruit or honey
- 7743 Soya yogurt full fat, sweetened, e.g. Sojal dairy free yoga, Soja Sun
- 7746 Low fat yogurt, any but NOT containing fruit, fortified with vitamins A, C, and D, e.g. Chambourcy Hippo Low Fat Set NOT Mr. Men yogurt
- 7748 Low fat yogurt, containing fruit, fortified with vitamins A, C, and D, e.g. Chambourcy Hippo Fruit yogurt
- 7749 Low fat fruit yogurt, containing fruit, fortified with vitamins A and C, e.g. Mr. Men, St Ivel Fiendish Faces
- 7750 Low fat yogurt, any but NOT containing fruit, fortified with vitamins A and C, e.g. Mr. Men
- 7751 Very low fat yogurt, containing fruit, with artificial sweetener, fortified with vitamins C and D
- 7753 Yogurt fruit mousse, NOT fortified, e.g. Boots, own brand
- 7754 Yogurt and jelly dessert, e.g. Munch Bunch wobblers, Turtles yogurt jelly dessert, St Ivel Tremblers, Muller Jelly invaders
- 7757 Frozen yogurt, NOT in a cone, e.g. Mr. Whippy type only
- 8220 Custard style fruit yogurt NOT custard fruit dessert, e.g. Sainsbury's fruit on the bottom custard style

- 8222 Low fat diet yogurt, Longlife, UHT or pasteurised, with artificial sweetener, e.g. Hermesetas Light
- 8223 Very low fat yogurt, longlife or UHT or pasteurised, natural or any fruit or flavour, e.g. Fruittis, Delice very low fat, St. Ivel Prize longlife NOT fortified
- 8224 Yogurt mousse with cream, e.g. Ski Frousse
- 8227 Frozen yogurt In a cone, e.g. Walls Fresta, Ski Cone
- 8228 Frozen yogurt, NOT in a cone, e.g. Ski Soft Serve, Walls Fresta, Orchard Maid, own brand, includes Munch Bunch frozen yogurt lolly NOT "Mr. Whippy" type
- 8229 Frozen yogurt, ice lollies
- 8376 Very low fat yogurt, containing fruit, with artificial sweetener e.g. own brand, St Ivel Shape, virtually fat free Bio, St Ivel Shape Twinpot, Tesco Healthy Eating virtually fa
- 8488 Very low fat yogurt, any flavour, with Simplese, Tesco Healthy Eating Bio only
- 8613 Thick and creamy yogurt, whole milk yogurt, flavoured or containing fruit/nuts or with separate fruit/nuts or any other flavour e.g. nut, chocolate, toffee, pasteurised, longli
- 8894 St. Ivel prize, whipped yogurt with cream
- 8935 Baby and toddler yogurt, whole milk yogurt sweetened with fruit juice, St Ivel Baby and Toddler yogurt only
- 8990 Very low fat yogurt, containing fruit, with added sugar, no artificial sweetener, NOT fortified NOT longlife or UHT or pasteurised, eg Loseley very low fat yogurt
- 9115 Soya yogurt, low fat, with added sugar and fruit, eg Granose
- 9139 Fruit in creamy yogurt sauce
- 9142 Greek or Greek style yogurt, with fruit/nuts or honey, e.g., Tesco thick and creamy Greek style honey and walnut yogurt
- 9272 Very low fat; virtually fat free yogurt, any flavour but not containing fruit or nuts, with artificial sweetener, e.g., St Ivel Shape French style set, not long life, UHT or pa
- 9881 Thick and creamy twinpot yogurt with separate cereal/ crumble portion, NO fruit e.g., Muller crunch corner, Muller crumble corner, Chambourcy whole milk yogurt with Nesquik cer

Mixed Foods Containing Yogurt (Including Frozen Yogurt, Excluding Yogurt Drinks]

[Adjusted for Yogurt Content of 80%]

[D-Ribose] = 1.76%

- 710 Yogurt made from goats or sheeps milk, any flavour NOT artificially sweetened NOT Greek yogurt
- 1741 Cucumber and grain flour raita, i.e. Asian vegetable side dish with yogurt
- 2660 Tzatziki, Greek style cucumber and yogurt
- 4933 Yogurt dressing
- 6161 Mushroom sauce, made with yogurt, milk, and onions
- 9390 Yogurt dressings, purchased
- 103015 Yogurt curry*

Mixed Foods Containing Yogurt (Including Frozen Yogurt, Excluding Yogurt Drinks]

[Adjusted for Yogurt Content of 55%]

[D-Ribose] = 1.21%

- 7885 Yogurt coated peanuts, raisins or banana chips NOT yogurt gums

Mixed Foods Containing Yogurt (Including Frozen Yogurt, Excluding Yogurt Drinks]

[Adjusted for Yogurt Content of 20%]

[D-Ribose] = 0.44%

- 3393 LAMB CURRY WITH SPINACH YOGURT G
- 3467 CHICKEN CURRY WITH YOGURT AND CASH
- 3533 CHICKEN WITH RICE YOGURT AND EGG
- 3692 LAMB CURRY WITH YOGURT BUTTER NO
- 3694 SALMON PASTA SAUCE WITH YOGURT PE
- 3732 GREEK STYLE YOGURT LOW FAT FLAVO

- 3926 Chicken curry, made with yogurt and blended vegetable oil
- 3935 Pork chop in onion and yogurt
- 4320 Chambourcy nouvelle fruit and nut yogurt
- 5756 Lamb curry, with tomatoes and yogurt
- 5835 Cheese, tomato, and potato bake, with greek yogurt
- 6068 Chicken curry, with yogurt, canned tomatoes, and peppers
- 6069 Lamb curry, with yogurt, onion, and pepper
- 6080 Chicken biryani and rice, no vegetables, no yogurt
- 6091 Potato and tomato gratinee, with yogurt
- 6409 Chicken curry, with chicken breast, yogurt, and
- 6455 Curry sauce, with yogurt, coconut and chilli
- 6489 Vegetable curry, with tomatoes, onions, yogurt, peas
- 6797 Chicken breast, coated with yogurt and breadcrumbs
- 8997 Chicken with yogurt and tomato
- 9031 Wheat and yogurt soup
- 9109 Heinz yogurt dessert
- 9150 Aseeda (porridge with yogurt)
- 9151 Mulah, minced lamb with yogurt
- 103446 Wholemeal scone made with goats yogurt*
- 103636 Potato, curried, with yogurt*
- 103650 Chicken curry with yogurt and butter*

Mixed Foods Containing Yogurt (Including Frozen Yogurt, Excluding Yogurt Drinks]

[Adjusted for Yogurt Content of 5.1%]

[D-Ribose] = 0.11%

- 4129 Quiche, with tuna and yogurt
- 5771 Cakes, yogurt filled

*Please note that some foodcodes numbered from 3,000 to 3,999 that had been used in the children's and youth survey were assigned to new foods for the 2000-2001 adult survey. Thus, to continue using these foodcodes, new codes from 103,000 to 103,999 were assigned to the codes from the adult survey.