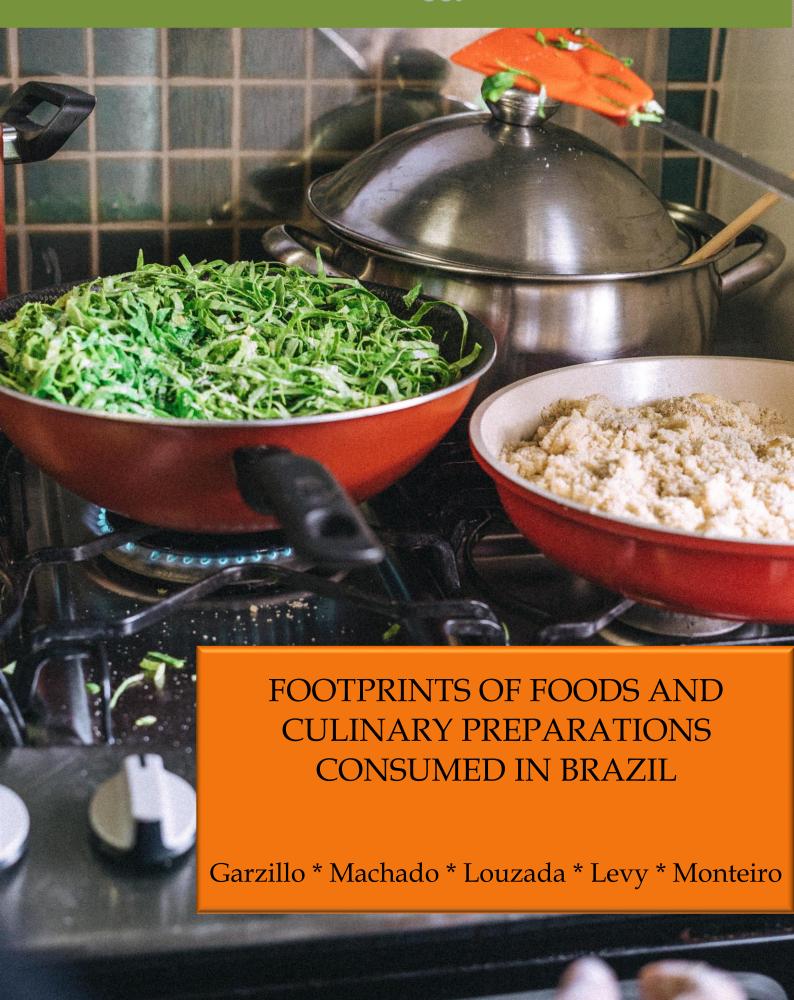
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FOOTPRINTS OF FOODS AND CULINARY PREPARATIONS CONSUMED IN BRAZIL

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1 Introduction

The commitment to sustainability assigns a central role to nutrition science when analyzing food systems and public policies. In the search for food and nutritional safety of populations, the integration of biological, social and environmental dimensions becomes a relevant and critical work^{1,2}.

The eating patterns may go beyond nutritionally healthy, culturally appropriate and economically accessible factors, and should stimulate modes of production, logistics, storage, preparation, consumption and final destination that favor a balanced operation between ecosystems and the protection of biodiversity ³.

The increasing number of scientific articles published on the environmental impacts of food may be seen as one of the collective efforts needed to restrain the progressive environmental degradation, helping to build sustainable food systems. But it is still necessary to develop methodological approaches and indexes that best represent qualitative, quantitative and comparatively sustainable (and unsustainable) diets, assess the effects of nutritional transitions over the environment, and generate scientific evidence that support public policies and individual food choices. For example, studies that identify healthy and sustainable eating patterns already practiced by the population contribute to the promotion of both healthy and sustainable eating habits through real and feasible examples.

This book presents a table with carbon, water and ecological footprints of foods and culinary preparations consumed in Brazil, a tool developed to enable the studies of a thesis named "The food and its environmental impacts: approaches of national food guides and study of Brazilians diet"⁴, which was presented at the Global Health and Sustainability PhD Program of the Faculty of Public Health of the University of São Paulo.

The table uses the foods formatting and coding according to the food composition tables of the 2008-2009 Household Budget Survey held by the Brazilian Institute of Geography and Statistics (IBGE, from Portuguese *Instituto Brasileiro de Geografia e Estatística*), and was paired with the international coding of the Harmonized System. Each food or culinary preparation has its values assigned to three footprints, which allows the application of the indicators presented in the food consumption

surveys the same way it is done with the nutritional composition table. All data will be available online through Microsoft® Excel tables. Access links can be found in the last chapter of this book.

The book differs from the thesis by including an additional indicator (the ecological footprint), a different format to display the tables, and the description of basic concepts and methodological processes, which may encourage the researchers that will study the field of environmental impact assessment of foods, based on IBGE's Household Budget Survey.

2 Basic concepts

Since the Industrial Revolution, the human activity has significantly changed the structures and functionalities of ecological systems. The situation became especially critical after the 50's, when the global economic system accelerated the environmental degradation process, endangering the human species and all biodiversity survival. The measurable traces or trails of environmental degradation that mark the human careless existence on Earth are called *footprints*.



There is a large collective effort to make the socioeconomic development sustainable by looking for ways to meet the present generation needs without compromising the future generation needs, while considering its effects over the nature. This paradigm shift requires studies to identify and quantify relevant environmental impacts.

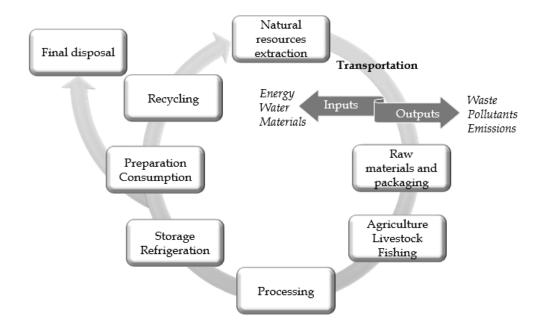
The creation of environmental indicators helps to characterize and interpret the causes and effects of such impacts, seeking direct applications for mitigation actions. These indicators are management instruments that measure the potential production processes impact over the environment, which helps to detect the critical aspects about where it is possible to reduce the consumption of natural resources or introduce technologies that reduce or even eliminate the pollution load.

These indicators work as objective parameters to choose products or adopt environmentally friendly practices. In the food context, they may guide the food choices and diets. It is worth mentioning that the mitigation of environmental impacts shows more effective results when there are combined actions between food production and consumption.

The product life cycle assessment (LCA) is one of the methodologies used to generate relevant environmental indicators, accounting for inputs (such as water, soil and energy usage) and outputs (waste production and pollutant emissions) from elements of the productive system (Picture 1). The standard that defines the requirements for the LCA comes from the NBR-ISO 14040:2009 family, which is focused on the environmental aspects and potential impacts throughout the life cycle of a

product, from the resource extraction processes to production of raw materials and packaging, production, use, and after-use treatment, such as recycling or final dispose of waste⁵.

Picture 1 – Product life cycle steps scheme that may be included for input and output accounting and assessment in the production system.



The system boundaries are set in relation to the life cycle steps being evaluated. When the system comprises the acquisition of raw materials to the final waste disposal, it is said it moved from "cradle to grave". If it ends in the agricultural production phase, it is said it went from "cradle to the farm gate". The life cycle steps are included according to its intended direct or indirect application. It is possible to make a "cradle to the farm gate" LCA to compare the efficiency of different production systems, for example, by accounting the water use to grow tomatoes in the fields or in the greenhouses.

The NBR-ISO 14040:2009 standard defines functional unit as the "quantified performance of a product system to be used as a reference unit". The functional unit helps to understand the impacts, because it better guides the intended LCA application and interpretation during the findings.

The fewer natural resources are used or the less pollutants are emitted in the processes, the greater the ecological efficiency and the better the quantified performance. The production processes eco-efficiency can be expressed as the amount of natural resources used or the amount of pollutants emitted per the material measure unit, according to the function of such material, and serves as a reference unit to compare different products or processes. Based on this understanding, the best functional unit to interpret the findings is established.

One of the key steps in integrated nutrition and environment studies is a functional unit definition, an aspect that must be agreed between researchers from different fields. In the food context, it is possible to study the environmental impact per mass unit of fresh (*in natura*) or prepared food: liters of water per gram of tomato or liters of water per gram of tomato sauce. Depending on the phenomenon that is intended to be studied, the best findings interpretation may be achieved when the definition of the functional unit is described in nutritional terms. For example, it is possible to calculate the amount of water for each kilocalorie or gram of tomato protein.

The carbon footprint measures the greenhouse gas emissions total amount (CO₂, CH₄, N₂O, HFC, PFC, SF₆, among others) that are directly or indirectly caused by an activity or are accumulated over the course of a product life cycle. The measurement is expressed in mass units (g, kg, t), and the calculated mass for each of the different emitted gases is converted into carbon dioxide equivalent (CO₂eq) using the global warming potential (GWP) factor of each gas (Table 1), as established by the Intergovernmental Panel on Climate Change (IPCC)⁶. The GWP represents the combined effect of different timeframes that each substance remains in the atmosphere (half-life) and its efficiency to absorb and release infrared waves (spectral properties). This technique of converting different gases into the same unit makes it possible to sum the masses of different gases into a single parameter.

Table 1 – Global warming potential (GWP) of the most relevant greenhouse gases in the global agri-food system, extracted from IPCC reports from 1995 to 2014.

| Greenhouse gases | Formula - | GWP for 100-year horizon | | | |
|------------------|-----------|--------------------------|-------------|-------------|--|
| Greenhouse gases | romina | IPCC (1995) | IPCC (2007) | IPCC (2014) | |
| Carbon dioxide | CO2 | 1 | 1 | 1 | |
| Methane | CH4 | 21 | 25 | 28 | |
| Nitrous oxide | N2O | 310 | 298 | 265 | |

The most relevant greenhouse gas in the agri-food system is methane (CH₄), which is emitted during the enteric fermentation of ruminants or anaerobic fermentation that occurs in treatment lagoons of intensive swine creation manures, as well as in the rice production in floodplains. Besides methane, when talking about relevant global warming potential gases in the food context, there is nitrous oxide (N₂O) from fertilizers, and carbon dioxide (CO₂), which is originated from deforestation to the burning of fossil fuels throughout the supply chain, which involves machinery, heaters, transportation, processing, and refrigerators⁹.

The carbon footprints on foods are found in several national and international publications and do not cover all foods consumed in Brazil, but form a sufficient data set of the main food groups. Some of these publications are dedicated to a single food and compare production systems, while others display a set of nationally produced foods^{12, 13, 14, 15, 16}.

The water footprint measures the total amount of water used directly or indirectly during the life cycle steps. The calculation of the total water footprint involves the sum of three main components: surface or groundwater (blue water), rainwater (green water), and the water needed to assimilate the pollution load of the production system and consumption (grey water). The water footprint is expressed in water volume (liters or cubic meters). For the water footprints, in addition to publications individualized by foods and environmental product declarations, there is also a database published by the Water Footprint Network (WFN), which provides a wide range of footprints for agricultural¹⁰ and livestock¹¹ foods, all of which calculated for the global scale and by country of origin, product by product.

The ecological footprint is a tool created by Wackernagel and Rees (1996) to account for how much the humankind demands from the regenerative capacity of the biosphere. The calculation takes into account the demand – both direct and indirect – of renewable resources production and carbon assimilation, comparing them with ecological "assets" of our planet (biocapacity). Thus, the ecological footprint assesses the combined anthropogenic impacts that are usually assessed separately (by carbon emission, land use change, biodiversity consumption etc.), and may be applied to different scales, from products to cities or even countries. Therefore, it is an aggregate index^{7,8}.

The calculation involves six variables or ecosystem services which are demanded by the economy and associated with land bioproductivity: cultivated lands (food of plant origin and fibers for weaving or paper production); cultivated lands and pasture (food of animal origin); fishing areas (food from fishing); carbon sequestration areas (absorption of carbon emissions from fossil sources); built area (provision of physical space for shelter and infrastructure development).

The ecological footprint reveals how the human activity gets hold of the land regenerative capacity. Many of the ecological resources and ecosystem services are located on the surface, where photosynthesis takes place. Therefore, it is expressed as bioproductive area (hectare or m²). The count of all the environmental load used in the process is converted through use of conversion factors published by the Global Footprint Network.

With the exception of the Water Footprint Network database, there are few publications that assess the life cycle of foods produced under Brazilian conditions, and there is no database with environmental indicators dedicated to foods consumed in Brazil. The few existing local publications focus on the main agricultural export commodities, such as soybean¹³, melon¹⁴, beef¹⁵, poultry¹⁶, pork¹⁷ and milk¹⁸. The existence of international LCA data is what made it possible to structure the footprint table published in this book.

It is recommended to be cautious when interpreting the findings. The footprints should be viewed as the best possible estimates, not as exact measurements. The techniques and natural resources used in production may be very different from one place to another, causing a big impact on the footprint calculation result, as it happens on the higher emission of greenhouse gases in floodplain rice production when compared to rainfed areas. Such impacts put pressure on local resources distinctly, depending on the characteristics of the rainfall, watershed or biome. Carbon emissions will be higher if the energy used in industrial processing predominantly comes from fossil sources.

In the context of food and nutrition, the interpretation of environmental impacts requires more sophisticated and comprehensive articulated analyzes, as food has consequences for the environment and, rather, for people's health and well-being.

3 Methodologies

An environmental database was created for all foods and culinary preparations consumed in Brazil according to IBGE's Household Budget Survey and based on IBGE's nutritional composition table of foods and culinary preparations^{27, 28, 29}. The sources were identified and the carbon footprints (CF), water footprints (WF) and ecological footprints (EF) were selected. The coding systems were defined and the food and nutrition tables were standardized by adjusting the units of measure to integrate the footprint table and the nutritional composition table. The ingredient average footprints were calculated and, ultimately, the footprints for each of the culinary preparations were created.

Foods and culinary preparations consumed in Brazil

The list of foods and culinary preparations consumed in Brazil comes from the personal food consumption module of the Household Budget Survey (POF 2008-2009)^{27, 28, 29}, when food intake was recorded through a probabilistic sample that included the teenage and adult population (n=34,003) from random households, covering both the urban and rural areas of Brazil.

The individuals reported the foods and culinary preparations that they consumed, detailing the form of preparation and quantities consumed in home measures that were later converted to grams, based on the Table of Referred Measures for Foods Consumed in Brazil²⁸. Thus, the Nutritional Composition Tables of Foods Consumed in Brazil were developed²⁹, with the amounts in grams converted into energy and several nutrients. Based on it, environmental indicators could be paired and new functional units could be created for integrated studies.

The reported culinary preparations (items that had more than one ingredient in their composition) were broken down on standard recipes, to refine the calculations of food consumption and environmental footprints. This work was conducted within the Center for Epidemiological Research in Nutrition and Health and can be viewed through the online Excel file. Access in Chapter 4.

Food coding systems

The main coding system was the same as established by the POF (2008-09) to integrate the environmental data table to the food table. The same codes were adopted for both consumer items and types of culinary preparation. From the 1,120 food items recorded in the POF 2008-09 food consumption module, we identified 967 food codes that were not broken down, because they were ready-to-eat products (such as sodas) or ingredients of culinary preparations. The 18 ingredients that were not consumed alone (such as wheat flour and lasagna pasta) and were only part of the culinary preparations had their codes obtained from the POF 2008-09 home acquisition module. These 985 food codes presented in the food and ingredients table of culinary preparations were initially used to record the footprints in the environmental database.

All POF codes have been matched to the codes of the MERCOSUR Common Nomenclature - Harmonized System (NCM-SH*), for the purpose of using an international classification. It is a code established by the Brazilian government to identify the nature of goods and promote the development of international trade, as well as to facilitate the collection and analysis of foreign trading statistics. It is based on the Harmonized Commodity Description and Coding Systems (HS), an international classification method developed by the World Customs Organization. The code structure contains the description of product specific characteristics.

The NCM-SH coding is systematic, hierarchical, taxonomic, and follows a logic of "kinship" between the items. It is applicable for all types of products. Food products are classified in Sections I, II, III and IV. The higher the item's processing level, the greater its code number. Below is the structure of NCM-SH hierarchical level codes (Table 2).

Table 2 - MERCOSUR Common Nomenclature coding system based on the Harmonized Commodity Description and Coding System

| | Transcringer committee and a country of the country | | | | | | |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------|--|--|--|--|
| Hierarchical level | Description | Code location | System | | | | |
| Section | Roman numeral | I, II, III and IV | SH | | | | |
| Chapter | First two digits | <mark>00</mark> 000000 | SH | | | | |
| Position | First four digits | 0000 0000 | SH | | | | |
| Subposition | First six digits | 00000 00 | SH | | | | |
| Item | Seventh digit | 000000 <mark>0</mark> 0 | NCM | | | | |
| Subitem | Eighth digit | 000000 <mark>0</mark> | NCM | | | | |

 $^{^* \}underline{ \text{https://www.significados.com.br/ncm/; http://www.wcoomd.org/en/topics/nomenclature/overview/what-is-the-harmonized-system.aspx)}$

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The Section and Chapter levels sort the items according to broader descriptions. As the classification goes down to the Position and Subposition levels, the item description increases in specificity, reaching the food name. For the environmental database, the matching established with the POF (2008-09) code assumed the hierarchical Item level (NCM-SH) linked to a six-digit Subposition (NCM-SH), which is subordinate to the higher hierarchical levels, as exemplified below (Table 3).

Table 3 - Example of the coding matching technique for POF and SH systems

| Hierarchical level | Designation | Code | System |
|--------------------|-----------------------------------|---------|--------|
| Section | Products of the vegetable kingdom | II | SH |
| Chapter | Cereals | 10 | SH |
| Position | Rice | 1006 | SH |
| Subposition | Polished rice | 100630 | SH |
| POF Code | Rice (polished, parboiled, etc.) | 6300101 | POF |

Both paired coding systems are available in the online Excel file. Access in Chapter 4.

Environmental performance indicators

Carbon, water and ecological footprints are the most relevant indicators for measuring environmental impacts on a global scale and, as a result, possess a wealth of information available for a larger number of items. The footprints were collected in sufficient quantities to structure the new database and test a calculation approach that directly covered the largest number of food consumption items.

The first indicator related to pollutant emissions (greenhouse gases) was chosen and the second one was the use of a natural resource (water). These are indicators that are calculated within the methodological framework of a life cycle assessment (NBR-ISO14040). The ecological footprint, although with less data availability, is an aggregate index generated from the Global Footprint Network methodology. Scientifically robust and easily understood by the general public, the ecological footprint becomes didactic when it is applied to illustrate the use of land biocapacity.

Environmental data sources

Publicly available carbon, water and ecological footprints were collected. The collection of data sources began on an already structured basis, such as the tables published by the *Barilla Center for Food and Nutrition*²³ and the *Water Footprint Network*^{7;8}. Subsequently, new researches (on Google Scholar and Web of Science) ensured the completeness of the data collection, using the name of each food in Portuguese and English (e.g. arroz, rice) and the keywords[†] *pegada de carbono, pegada hídrica, carbon footprint, water footprint,* in combinations interspersed by the Boolean operator "AND". Processed food footprints were obtained from the EVIRONDEC[‡] website or corporate reports. The data collection added up to 569 publications, including scientific papers and corporate reports. References used in the calculations are available in the online Excel file. Access in Chapter 4.

Environmental database records

Secondary LCA data records were created in order to facilitate the selection of values to be used later in the calculation of average per food. Values and information that assisted in the identification, qualification, traceability, and subsequent verifications were recorded:

- ✓ LCA references by source category (journals, verified environmental performance statements), title, author, year.
- ✓ Country or region of the evaluated food production.
- ✓ Environmental performance indicators: carbon footprint (CF), water footprint (WF), and ecological footprint (EF).
- ✓ The product life cycle assessment methodology (LCA / ISO14040).
- ✓ The perimeter of the LCA system (cradle-to-gate; cradle-to-factory gate; cradle-to-retail; cradle-to-kitchen; cradle-to-grave).
- ✓ Attributes of foods evaluated in the publication, such as canned, frozen, lyophilized, and boneless.
- ✓ Production mode, such as greenhouse or organic.

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[†] Also known as uniterms or descriptors, the keywords assign a greater specificity in textual research, as they are terms standardized by databases.

^{*}https://www.environdec.com/

4.

✓ The functional units adopted in the publication and the standardization for grams of CO₂eq*kg⁻¹ or liters of water*kg⁻¹ per food.

The main records are available in the online Excel file. Access in Chapter

Footprint calculation

The values selected to compose the average of the footprints were those calculated for foods that come from a conventional production mode and LCA perimeter from farm production, which could reach the point of sale as raw or unprepared foods. Exclusion criteria were the calculated values for greenhouse-produced foods, the perimeter of the LCA system that included transport from point of sale to home and cooked or frozen foods and, finally, excluded footprint values in the percentile 95% and below percentile 5% when the food had more then 4 values collected.

The vast majority of footprints found in the survey were calculated for food produced in other countries and not in Brazil. Therefore, the average of the footprints for all foods was made with international values. The Water Footprint Network's database made it possible to use water footprints specifically for Brazil for most foods, complementing with other sources.

Most of the footprints found in the survey were calculated for foods produced in other countries and not in Brazil. Therefore, for all foods the average was made with international values. The Water Footprint Network's database made it possible to use water footprints specifically for Brazil for most foods, complementing with other sources.

We must consider the limitations and uncertainties inherent to such footprint calculations. There is a high complexity of supply chains, different production modes, difficulties in obtaining accurate data for LCAs, and use of default data when calculations for actual or local conditions were unavailable.

Many of the projects that calculate the environmental impact of a population's food consumption use a common footprint value for the same food group, such as fruits. This value is calculated by averaging the values found in the LCAs of the different elements that are part of this group, such as apple, banana or orange LCAs.

This approach facilitates the management of large numbers of consumable items and works around the data shortage problem for many cases. The adoption of this approach is understandable when looking at the size of the list of foods and culinary preparations consumed in Brazil, which contains about 1,200 items.

Here, we opted for an approach that closely approximated the footprint values to the calculated values for each exact food. If only one piece of data was recorded for that exact food, this value was used as a footprint. If more than one value was recorded for that exact food, the values selected to compose the footprint were averaged.

In the absence of data for the exact food, we averaged the most similar foods in a hierarchical "kinship" taxonomy, cascading according to the NCM-SH coding.

To exemplify, the calculation of the carbon footprint in oranges was the average of the published LCA values for the exact food identified as orange (code POF-6801801). In the absence of the carbon footprint values for limes (code POF-6801901), the average would be calculated from the values recorded for the Subposition of lemons and limes (code SH-080530); in its absence, from the values of the citrus Position (code SH-0805); in its absence, from the values of the fruits Chapter (code SH-08); in its absence, from the values of the products of the vegetable kingdom Section (code II). Exactly as displayed in Table 4.

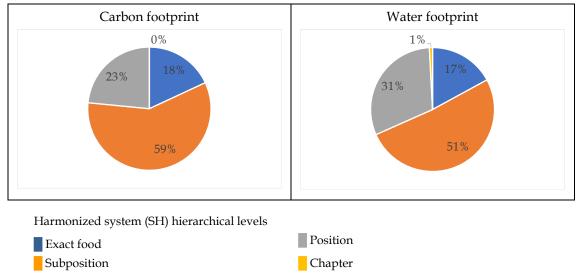
Table 4 – Example of data grouping approach for calculating the average environmental footprints

| Hierarchical level | Description | Code | System |
|--------------------|-----------------------------------|---------|--------|
| Section | Products of the vegetable kingdom | II | SH |
| Chapter | Fruits; citrus and melon peels | 08 | SH |
| Position | Citrus; fresh or dried | 0805 | SH |
| Subposition | Oranges | 080590 | SH |
| Item | Orange (pear, navel, lime, etc.) | 6801801 | POF |
| Subposition | Lemons and limes; fresh or dried | 080530 | SH |
| Item | Lime | 6801901 | POF |

From the list of 985 food items, the average carbon footprint was calculated for 18% of the exact food level items, from which carbon footprint values were generated for 59% of items at the Subposition level, and 23% at the Position level.

As there is no water footprint calculation for fish, the list was reduced to 967 items, and presented 17% of footprints calculated for the exact food, from which

water footprint values were generated for 51% of items at the Subposition level, and 31% at the Position level, as the following charts illustrate (Picture 2).



Picture 2 - Percentage of food items by footprint calculation hierarchical level

Ideally, footprints should be calculated for the exact or most closely taxonomic foods available. In the proposed approach, footprints were calculated predominantly at the closest hierarchical levels: exact food and subposition.

As a reminder, the footprint record in the environmental database was initially based on the raw food form, the way it is bought, and before any culinary preparation, because that is the condition food footprints are found in most publications. Subsequently, the averages were calculated as previously described. In case of interest regarding the carbon (CF), water (WF), and ecological (EF) footprints of foods found as they are purchased and without any preparation, this information is available in the online Excel file. Access in Chapter 4.

Next, the footprints for foods and culinary preparations were calculated exactly as they are consumed. For this, the footprints were treated mathematically, adjusting them according to the culinary preparation techniques and the proportion of each ingredient in the recipes, as described below. Different culinary preparation techniques modify physical characteristics of foods by removing its parts, adding or reducing the water content inside them.

Depending on the food and preparation technique, correction factors (FC) were applied to the environmental footprints, in order to adjust the indicators for the

weight of edible parts, by subtracting the weight of peels or lumps, for example. Similarly, conversion or cooking indexes (IC) were applied, adjusting the food weight according to the hydration or dehydration levels after cooking. For example, rice incorporates water during cooking, while meat may lose it. The FC and IC values are available in the online Excel file. Access in Chapter 4.

The culinary preparations were broken down into the ingredients of the basic recipes and close to 100% of its composition. This procedure allowed the footprints to reflect the proportional share of the ingredients in the diet.

In the calculation of carbon footprints, emissions from heating in an oven or stove were included during food preparation. The purpose was to reduce possible methodological bias by balancing the comparison between homemade foods and processed foods, whose industrial cooking emissions are accounted for in the product's environmental performance declaration.

Liquefied petroleum gas (LPG) is the predominant fuel used in Brazilian kitchens[§]. Both homemade culinary preparations (e.g. vatapá or tropeiro rice) as well as semi-prepared foods (e.g. sausage or instant noodles) or ready meals (e.g. nuggets or light lasagna) may require heating.

Carbon footprints related to warming were calculated for the 17 preparation possibilities reported in the POF 2008-09: garlic and oil; vinaigrette; heating; roasted; with butter or oil; cooked; raw; breaded; stew; fried; grilled or barbecue; porridge; white sauce; red sauce; braised; unprepared; soup.

For foods which are ingested raw or unheated, such as salads, fruits, processed snacks or soft drinks, the carbon emission for their preparation was set as zero. For foods prepared on the barbecue grill, the carbon emission was considered zero due to the use of reforestation charcoal.

For homemade foods and semi-prepared foods, the study took their corresponding food groups into account, as well as the source of gas emission used (oven or stove), the estimated time of gas use and the LPG burning rate.

 $\underline{https://ww2.ibge.gov.br/home/estatistica/indicadores/sipd/setimo_forum/PNAD_continua.}\\ \underline{pdf}$

[§] Data obtained from PNAD-C (IBGE, 2009):

The carbon emission factors per minute of gas burning were calculated for oven (11gCO₂eq*min⁻¹) and stove (6,3gCO₂eq*min⁻¹) use, based on the following assumptions:

- Burning 1 kg of LGP emits 2,93 kg of CO₂eq, according to the National Energy Balance of the Ministry of Science and Technology of Brazil (2011).
- The stove burn rate is 0,13 kg*h-1, as described in PATHAK et al. 2010³⁰.
- The oven burn rate is equal to 0,225 kg*min-1 as found in Frequently Asked Questions: What is the gas consumption by having the oven lit (domestic stove) for 1 hour at (i) low heat, (ii) medium heat and (iii) high heat?**
- Cooking times were obtained from the Calculadora de Assados^{††} website and basic recipes.

Footprint calculation structure

Carbon footprint of consumption item - gCO₂eq per 100g

$$CF_{100g} = ((((CF_{kg1} + CF_{kg2} + ... + CF_{kgn})^*0,1)^*FC^{-1})^*IC^{-1})$$

Where CF (Carbon Footprint) is the carbon footprint expressed in grams of equivalent carbon, FC is the correction factor, IC is the cooking index, and n is the number of footprints collected from the literature, considering the arithmetic mean calculation. It is multiplied by 0.1 to convert the average carbon footprint - originally considered for one kilogram of food - to 100 grams of food.

Water footprint of consumption item - liters of water per 100g

$$WF_{100g} = ((((WF_{kg1} + WF_{kg2} + ... + WF_{kgn})^*0,1)^*FC^{-1})^*IC^{-1})$$
n

Where WF (Water Footprint) is the water footprint expressed in liters of water, FC is the correction factor, IC is the cooking index, and *n* is the number of footprints collected from the literature, considering the arithmetic mean calculation. It is multiplied by 0.1 to convert the average water footprint - originally considered for one kilogram of food - to 100 grams of food.

Ecological footprint of consumption item - global square meter per 100g

$$EF_{100g} = ((((EF_{kg1} + EF_{kg2} + ... + EF_{kgn})^*0,1)^*FC^{-1})^*IC^{-1})$$

^{**} Hiperlink for <u>Liquigás-PETROBRAS website</u>

thttp://delicitas.com.br/calculadora-de-assados-temperatura-para-assar-carne/#.Wp_k6UxFwhd

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Where EF (*Ecological Footprint*) is the ecological footprint expressed in global square meters (g-m²), FC is the correction factor, IC is the cooking index, and *n* is the number of footprints collected from the literature, considering the arithmetic mean calculation. It is multiplied by 0.1 to convert the average ecological footprint - originally considered for one kilogram of food - to 100 grams of food.

Carbon footprint of culinary preparation

 CF_{prep} = (CF_{100g} of cooked food #1 * percentage of share in the recipe + CF_{100g} gas used in the preparation of food #1) + (CF_{100g} of cooked food #2 * percentage of share in the recipe + CF_{100g} gas used in the preparation of food #2)...+ (CF_{100g} of cooked food n * percentage of share in the recipe + CF_{100g} gas used in the preparation of food n)

Where CF_{prep} (*Carbon Footprint*) is the complete culinary preparation and CF_{100g} is calculated through the previous equation, and CF_{100g} gas used in the preparation of food corresponds to the assigned carbon footprint to the gas burning involved in its respective preparation.

Water footprint of culinary preparation

WF_{prep} = (WF_{100g} of cooked food #1 * percentage of share in the recipe) + (WF_{100g} of cooked food #2 * percentage of share in the recipe)...+ (WF_{100g} of cooked food n * percentage of share in the recipe)

Where WF $_{prep}$ (*Water Footprint*) of cooked food represents the WF $_{100g}$ calculated from the previous equation.

Ecological footprint of culinary preparation

 EF_{prep} = (EF_{100g} of cooked food #1 * percentage of share in the recipe) + (EF_{100g} of cooked food #2 * percentage of share in the recipe)...+ (EF_{100g} of cooked food n * percentage of share in the recipe)

Where EF $_{prep}$ (*Ecological Footprint*) of cooked food represents the EF $_{100g}$ calculated from the previous equation.

4 How to use the environmental database

The Main Table displays the carbon (CF), water (WF) and ecological (EF) footprints per 100 grams of edible parts of foods and culinary preparations consumed in Brazil. It provides information on all items and culinary preparations by using the food codes recorded in the POF food consumption module (2008-09). Food items are organized according to the food groups present in the POF 2008-09. The first two columns of the Main Table provide both the food code and description according to the POF 2008-09, followed by the code and description of each preparation form, and then the CF, WF and EF values.

There are sixteen preparation forms altogether, with the code 99 assigned to the most common form of food intake. For example, rice is consumed cooked, while fruits remain raw. For the footprint calculations, the preparation forms were accurately identified. In this book, however, they were published exactly as the public is used to find them in the POF 2008-09 tables.

The final footprint values in the Main Table correspond to the sum of the footprints of each individual ingredient and its corresponding proportional share in the recipes. And, in the case of the carbon footprint, their emissions due to gas heating.

The POF 2008-09 food groups are: i) cereals and vegetables; ii) greenery and tubers; iii) flour, starch and pasta; iv) coconuts, nuts and walnuts; v) leafy, fruitful and other vegetables; vi) fruits; vii) sugars and confectionery products; viii) salts and seasonings; ix) meat and offal; x) fish and seafood; xi) canned and preserved foods; xii) poultry and eggs; xiii) dairy products; xiv) bakery products; xv) processed meat; xvi) non-alcoholic drinks and infusions; xvii) alcoholic drinks; xviii) oils and fats; xix) miscellaneous.

Researches using the POF 2008-2009 food consumption module will be able to use the Main Table directly by harmonizing their codes. In fact, the table can be used in research and teaching activities or in personal care for the environment. The CF, WF and EF footprints of the environmental database are factors and can be integrated into the nutrient columns of the Nutritional Composition Tables of Consumed Foods in Brazil. Each consumption item was attributed a carbon footprint factor (CF, g of CO₂e*100 g⁻¹ of food) and a water footprint factor (WF, I*100g⁻¹ of food), ready to

multiply the consumed amount of food. This approach enables several studies to calculate the total food consumption footprints on the populational scale and compare dietary patterns, providing flexibility for the researcher to define different functional units (e.g. gCO2e*kg-1 or gCO2e*kcal-1 or gCO2e*g of protein-1). The Main Table can be found as an Appendix in this book and in the Excel file.

Access to the data file

Data is available online in Microsoft® Excel format. The materials collected in the file provide the necessary traceability and transparency to those interested in its methodological procedures. Table 5 details the contents of each file folder. Data spreadsheets are in Portuguese and English

Access link to the data file: https://osf.io/gs4cy/ (DOI 10.17605/OSF.IO/GS4CY)

Table 5 - Contents of each file spreadsheet

| Excel file folder | Description |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notas-Notes: | Explanations about this file content |
| Tab_Alimentos_Preparacoes_100g: | Pegada de carbono (CF), pegada hídrica (WF) e pegada ecológica (EF) para 100g de alimentos e preparações culinárias consumidas no Brasil |
| Tab_PT_Ingredientes_1kg: | Pegada de carbono (CF), pegada hídrica (WF) e pegada ecológica (EF) por quilo (kg) dos ítens de consumo alimentar sem preparo, conforme são comprados. |
| Tab_completa_preparacoes_desagr: | Tabela completa com as preparações culinárias desagregadas em ingredientes base das receitas. |
| Tab_Foods_Preparations_100g: | Carbon (CF, gCO ₂ eq), water (WF, liters) and ecological (EF, g-m ²) footprints for each 100g of foods and culinary preparations consumed in Brazil. |
| Tab_EN_Ingredientes_1kg: | Carbon (CF, gCO ₂ eq), water (WF, liters) and ecological (EF, g-m ²) footprints per 1 kg of foods without preparation. |
| GAS_gCO2eq_100g: | Table with carbon footprints (CF) calculated for gas heating according to food group and type of preparation, timing of oven or stove use. |
| Registro_Dados_Fontes: | Starting data records with the list of all footprints found in literature. It brings the ingredients coded by POF system; description of the food or ingredient; HS code; footprints; the code of footprint reference; country; year and consulted database (BCFN; WFN; NUPENS). There may be more than one footprint per reference. There may be more than one footprint per food. |
| Dados_Referencias: | Bibliography ordered by the code of footprint reference |
| Harmonized_System_Codes_EN: | Spreadsheet with Harmonized Systems codes and descriptions - specifically |

5 Epilogue

Publishing the table of environmental footprints means facilitating the execution of integrated health, food and environmental studies. We sought to explain in a simple and objective way the nutritional aspects for those who are active in the environmental area and the environmental aspects for those who are nutrition researchers, facilitating the communication and arrangements for interdisciplinary work.

Structuring the environmental database was a major challenge, starting with the scarcity of food life cycle assessments for Brazilian conditions. The decision was to follow the same path of research groups - from China³¹ or from the United States³¹ - that structured the environmental database from international publications, which were mainly calculated based on the European Union context. From now on, it is suggested that the systematic publication of environmental performance indicators of foods produced in Brazil is used as a relevant research line that may populate future editions of this table.

Consistent environmental impact assessment needs a broader range of indicators covering the most diverse aspects of environmental interest. The table with only three footprints was the way found to start structuring the environmental database, allowing the inclusion of other indicators in the future, such as eutrophication potential, energy consumption, and land use.

The methodological innovation allowed the calculation of the footprints for each of the foods and culinary preparations consumed in Brazil and was created within NUPENS-USP, by adapting the tool for studies related to food consumption. In addition, the methodology can be followed to study the food consumption in other countries, creating a similar table with local food databases.

The similarity between the main table and the IBGE's POF nutritional composition table favors its use for the most different purposes: software development, researches, teaching with individual or population assessment of food consumption, and even for assessments that guide the development of public policies that promote sustainable diets through studies of nutritional profiles. People will be able to apply it to their personal or professional lives by calculating the footprints of their own meals or menus. Enjoy it!

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APPENDIX - Footprints Table

 $Table\ of\ carbon\ (CF,gCO_2eq),\ water\ (WF,liters)\ and\ ecological\ (EF,g-m^2)\ footprints\ for\ each\ 100g$ of foods and culinary preparations consumed in Brazil

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|--------|-------------------------|-----|-----|-----|
| | cereals and pulses | | | | | |
| 6300101 | rice (polished, parboiled, long grain etc.) | 99 | does not apply | 106 | 65 | 0,5 |
| 6300201 | brown rice | 99 | does not apply | 107 | 65 | 0,5 |
| 6300701 | corn (kernel) | 1 | raw | 82 | 185 | 0,5 |
| 6300701 | corn (kernel) | 2 | cooked | 55 | 95 | 0,2 |
| 6300701 | corn (kernel) | 3 | grilled or barbecue | 42 | 95 | 0,2 |
| 6300701 | corn (kernel) | 4 | roasted | 64 | 95 | 0,2 |
| 6300701 | corn (kernel) | 7 | braised | 61 | 112 | 0,4 |
| 6300701 | corn (kernel) | 13 | stew | 65 | 73 | 0,3 |
| 6300701 | corn (kernel) | 99 | does not apply | 55 | 95 | 0,2 |
| 6300706 | hominy (kernel) | 1 | raw | 85 | 228 | 1,2 |
| 6300706 | hominy (kernel) | 2 | cooked | 57 | 117 | 0,6 |
| 6300706 | hominy (kernel) | 13 | stew | 66 | 84 | 0,5 |
| 6300706 | hominy (kernel) | 14 | porridge | 142 | 158 | 0,9 |
| 6300706 | hominy (kernel) | 15 | soup | 54 | 109 | 0,7 |
| 6300706 | hominy (kernel) | 99 | does not apply | 57 | 117 | 0,6 |
| 6300707 | xerém (corn porridge) | 99 | does not apply | 63 | 151 | 0,8 |
| 6301001 | peanut (kernel) (in natura) | 99 | does not apply | 133 | 270 | 0,8 |
| 6301101 | peas | 99 | does not apply | 39 | 52 | 1,1 |
| 6301201 | broad bean (grains) | 99 | does not apply | 54 | 224 | 0,4 |
| 6301204 | lima bean | 99 | does not apply | 54 | 160 | 0,4 |
| 6301603 | cowpea | 99 | does not apply | 37 | 142 | 0,4 |
| 6301634 | black-eyed pea | 99 | does not apply | 37 | 142 | 0,4 |
| 6302001 | flaxseed | 99 | does not apply | 206 | 379 | 0,8 |
| 6302602 | andu bean | 99 | does not apply | 54 | 160 | 0,4 |
| 6302801 | chickpea | 99 | does not apply | 93 | 160 | 0,4 |
| 6302901 | lentil | 99 | does not apply | 93 | 160 | 0,4 |
| 6303001 | soybean (grains) | 99 | does not apply | 36 | 94 | 0,5 |
| 6303102 | bean (black, "mulatinho", purple, pink etc.) | 99 | does not apply | 35 | 142 | 0,4 |
| 6303501 | unspecified quirera (crushed corn) | 99 | does not apply | 63 | 133 | 0,8 |
| 6304034 | organic black-eyed pea | 99 | does not apply | 37 | 142 | 0,4 |
| 6304101 | organic bean | 99 | does not apply | 41 | 142 | 0,4 |
| 6304201 | light popcorn | 99 | does not apply | 29 | 65 | 0,2 |
| 6304301 | organic rice | 99 | does not apply | 112 | 65 | 0,5 |
| 6304401 | organic brown rice | 99 | does not apply | 107 | 65 | 0,5 |
| 6304602 | organic soybean | 99 | does not apply | 42 | 95 | 0,5 |
| 6304901 | quinoa | 99 | does not apply | 85 | 198 | 0,3 |
| | greenery and tubers | | | | | |
| 6400101 | potato | 1 | raw | 26 | 69 | 0,3 |
| 6400101 | | 2 | cooked | 47 | 90 | 0,4 |
| | Cor | ntinue | | | | |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|----|-----|-----|
| 6400101 | potato | 3 | grilled or barbecue | 34 | 90 | 0,4 |
| 6400101 | potato | 4 | roasted | 56 | 90 | 0,4 |
| 6400101 | potato | 5 | fried | 50 | 107 | 0,6 |
| 6400101 | potato | 7 | braised | 54 | 107 | 0,6 |
| 6400101 | potato | 8 | red sauce | 76 | 97 | 0,5 |
| 6400101 | potato | 9 | white sauce | 91 | 117 | 0,7 |
| 6400101 | potato | 10 | garlic and oil | 63 | 148 | 0,7 |
| 6400101 | potato | 11 | with butter/oil | 54 | 107 | 0,6 |
| 6400101 | potato | 13 | stew | 61 | 70 | 0,4 |
| 6400101 | potato | 15 | soup | 47 | 89 | 0,5 |
| 6400101 | potato | 99 | does not apply | 47 | 90 | 0,4 |
| 6400303 | mandioquinha salsa ("baronness potato") | 2 | cooked | 50 | 121 | 0,2 |
| 6400303 | mandioquinha salsa ("baronness potato") | 7 | braised | 57 | 136 | 0,3 |
| 6400303 | mandioquinha salsa ("baronness potato") | 13 | stew | 63 | 86 | 0,3 |
| 6400303 | mandioquinha salsa ("baronness potato") | 99 | does not apply | 50 | 121 | 0,2 |
| 6400304 | yellow carrot ("baronness potato") | 99 | does not apply | 50 | 121 | 0,2 |
| 6400401 | sweet potato | 1 | raw | 9 | 55 | 0,4 |
| 6400401 | sweet potato | 2 | cooked | 25 | 72 | 0,5 |
| 6400401 | sweet potato | 4 | roasted | 34 | 72 | 0,5 |
| 6400401 | sweet potato | 5 | fried | 30 | 90 | 0,7 |
| 6400401 | sweet potato | 7 | braised | 33 | 90 | 0,7 |
| 6400401 | sweet potato | 13 | stew | 50 | 61 | 0,5 |
| 6400401 | sweet potato | 99 | does not apply | 25 | 72 | 0,5 |
| 6400501 | yam | 1 | raw | 10 | 62 | 0,4 |
| 6400501 | yam | 2 | cooked | 25 | 80 | 0,5 |
| 6400501 | yam | 4 | roasted | 35 | 80 | 0,5 |
| 6400501 | yam | 5 | fried | 30 | 97 | 0,7 |
| 6400501 | yam | 7 | braised | 33 | 97 | 0,7 |
| 6400501 | yam | 13 | stew | 51 | 65 | 0,5 |
| 6400501 | • | 15 | soup | 31 | 81 | 0,6 |
| 6400508 | quiçaré (yam species) | 99 | does not apply | 25 | 80 | 0,5 |
| 6400601 | manioc | 1 | raw | 11 | 62 | 0,4 |
| 6400601 | manioc | 2 | cooked | 26 | 80 | 0,5 |
| 6400601 | manioc | 4 | roasted | 36 | 80 | 0,5 |
| 6400601 | | 5 | fried | 31 | 97 | 0,7 |
| 6400601 | | 7 | braised | 34 | 97 | 0,7 |
| 6400601 | | 8 | red sauce | 60 | 89 | 0,7 |
| | manioc | 11 | with butter/oil | 34 | 97 | 0,7 |
| 6400601 | | 13 | stew | 51 | 65 | 0,5 |
| 6400601 | | 15 | soup | 31 | 81 | 0,6 |
| 6400601 | manioc | 99 | does not apply | 26 | 80 | 0,5 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 6400609 | cassava | 2 | cooked | 26 | 80 | 0,5 |
| 6400609 | cassava | 4 | roasted | 36 | 80 | 0,5 |
| 6400609 | cassava | 5 | fried | 31 | 97 | 0,7 |
| 6400609 | cassava | 6 | breaded | 87 | 147 | 1,1 |
| 6400609 | cassava | 7 | braised | 34 | 97 | 0,7 |
| 6400609 | cassava | 8 | red sauce | 60 | 89 | 0,7 |
| 6400609 | cassava | 11 | with butter/oil | 34 | 97 | 0,7 |
| 6400609 | cassava | 13 | stew | 51 | 65 | 0,5 |
| 6400609 | cassava | 15 | soup | 31 | 81 | 0,6 |
| 6400609 | cassava | 99 | does not apply | 26 | 80 | 0,5 |
| 6400610 | macaxeira (manioc) | 1 | raw | 11 | 62 | 0,4 |
| 6400610 | macaxeira (manioc) | 2 | cooked | 26 | 80 | 0,5 |
| 6400610 | macaxeira (manioc) | 4 | roasted | 36 | 80 | 0,5 |
| 6400610 | macaxeira (manioc) | 5 | fried | 31 | 97 | 0,7 |
| 6400701 | cará (yam-like tuber) | 2 | cooked | 26 | 81 | 0,5 |
| 6400701 | cará (yam-like tuber) | 5 | fried | 30 | 98 | 0,7 |
| 6400701 | cará (yam-like tuber) | 7 | braised | 33 | 98 | 0,7 |
| 6400701 | cará (yam-like tuber) | 13 | stew | 51 | 66 | 0,5 |
| 6400701 | cará (yam-like tuber) | 14 | porridge | 139 | 154 | 0,9 |
| 6400701 | cará (yam-like tuber) | 15 | soup | 31 | 82 | 0,6 |
| 6400713 | rough yam (cará) | 2 | cooked | 26 | 81 | 0,5 |
| 6400802 | potato (unspecified) | 1 | raw | 21 | 54 | 0,2 |
| 6400802 | potato (unspecified) | 2 | cooked | 39 | 70 | 0,3 |
| 6400802 | potato (unspecified) | 3 | grilled or barbecue | 27 | 70 | 0,3 |
| 6400802 | potato (unspecified) | 4 | roasted | 49 | 70 | 0,3 |
| 6400802 | potato (unspecified) | 5 | fried | 43 | 88 | 0,5 |
| 6400802 | potato (unspecified) | 7 | braised | 46 | 88 | 0,5 |
| 6400802 | potato (unspecified) | 8 | red sauce | 70 | 81 | 0,5 |
| 6400802 | potato (unspecified) | 9 | white sauce | 85 | 101 | 0,7 |
| 6400802 | potato (unspecified) | 12 | vinaigrette | 54 | 85 | 0,6 |
| 6400802 | potato (unspecified) | 13 | stew | 58 | 60 | 0,4 |
| 6400802 | potato (unspecified) | 15 | soup | 41 | 74 | 0,4 |
| 6400802 | potato (unspecified) | 99 | does not apply | 39 | 70 | 0,3 |
| 6400908 | mandioquinha (baroness potato) | 2 | cooked | 50 | 121 | 0,2 |
| 6400908 | mandioquinha (baroness potato) | 5 | fried | 54 | 136 | 0,3 |
| 6400908 | mandioquinha (baroness potato) | 7 | braised | 57 | 136 | 0,3 |
| 6400908 | mandioquinha (baroness potato) | 13 | stew | 63 | 86 | 0,3 |
| 6401001 | radish | 1 | raw | 14 | 103 | 0,1 |
| 6401001 | radish | 2 | cooked | 24 | 104 | 0,1 |
| 6401001 | | 12 | vinaigrette | 32 | 111 | 0,4 |
| 6401101 | beetroot | 1 | raw | 13 | 96 | 0,1 |

| Cod_POF | Foods and culinary preparations descriptions | s Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|--------|-------------------------|-----|-----|-----|
| 6401101 | beetroot | 2 | cooked | 23 | 97 | 0,1 |
| 6401101 | beetroot | 7 | braised | 31 | 114 | 0,2 |
| 6401101 | beetroot | 12 | vinaigrette | 32 | 111 | 0,4 |
| 6401101 | beetroot | 15 | soup | 28 | 95 | 0,2 |
| 6401101 | beetroot | 99 | does not apply | 13 | 96 | 0,1 |
| 6401201 | carrot | 1 | raw | 29 | 93 | 0,1 |
| 6401201 | carrot | 2 | cooked | 34 | 80 | 0,1 |
| 401201 | carrot | 5 | fried | 38 | 97 | 0,3 |
| 6401201 | carrot | 7 | braised | 42 | 97 | 0,3 |
| 6401201 | carrot | 8 | red sauce | 66 | 88 | 0,3 |
| 6401201 | carrot | 10 | garlic and oil | 46 | 150 | 0,5 |
| 6401201 | carrot | 11 | with butter/oil | 32 | 97 | 0,3 |
| 6401201 | carrot | 12 | vinaigrette | 44 | 103 | 0,4 |
| 6401201 | carrot | 13 | stew | 53 | 65 | 0,3 |
| 6401201 | carrot | 15 | soup | 37 | 81 | 0,3 |
| 6401201 | carrot | 99 | does not apply | 29 | 93 | 0,1 |
| 6401301 | 1 | 2 | cooked | 39 | 95 | 0,1 |
| 6401301 | turnip | 7 | braised | 46 | 111 | 0,3 |
| 6401601 | | 1 | raw | 34 | 80 | 0,2 |
| 6401801 | organic potato | 5 | fried | 44 | 88 | 0,5 |
| | flour, starch and pasta | | | | | |
| 6500101 | rice cream | 99 | does not apply | 421 | 178 | 0,8 |
| 6500104 | arrozina (cornstarch with rice flour) | 99 | does not apply | 286 | 235 | 1,5 |
| | mucilon (baby porridge) | 99 | does not apply | 286 | 235 | 1,5 |
| | rice porridge | 99 | does not apply | 139 | 153 | 0,9 |
| | croquinhos de arroz (rice cereal) | 99 | does not apply | 953 | 173 | 1,1 |
| 6500301 | | 99 | does not apply | 38 | 235 | 0,5 |
| | rolled oats | 99 | does not apply | 38 | 235 | 0,5 |
| | cornmeal | 99 | does not apply | 42 | 80 | 0,4 |
| 6500603 | corn flour | 99 | does not apply | 30 | 92 | 0,4 |
| 6500608 | corn puba (fermented corn) | 99 | does not apply | 145 | 105 | 0,7 |
| 6500609 | cornmeal puba (fermented cornmeal) | 99 | does not apply | 135 | 105 | 0,6 |
| | crushed corn | 2 | cooked | 42 | 92 | 0,4 |
| 6500614 | cornmeal porridge | 99 | does not apply | 139 | 153 | 0,9 |
| | cornstarch | 99 | does not apply | 127 | 153 | 0,9 |
| | rice starch | 99 | does not apply | 127 | 153 | 0,9 |
| | cremogema (cornstarch) | 99 | does not apply | 83 | 256 | 1,2 |
| | vitamilho (corn flour) | 99 | does not apply | 83 | 256 | 1,2 |
| | corn cream | 99 | does not apply | 156 | 148 | 0,9 |
| | cornflakes | 99 | does not apply | 290 | 177 | 1,0 |
| 6500903 | cornflakes | 99 | does not apply | 290 | 177 | 1,0 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 6501301 | wheat germ | 99 | does not apply | 50 | 235 | 0,5 |
| 6501303 | wheat fiber | 99 | does not apply | 38 | 235 | 0,5 |
| 6501304 | wheat cereal fiber | 99 | does not apply | 38 | 235 | 0,5 |
| 6501401 | manioc flour | 99 | does not apply | 59 | 165 | 0,8 |
| 6501410 | copioba flour | 99 | does not apply | 59 | 197 | 0,8 |
| 6501415 | farinha d'água (cassava flour) | 99 | does not apply | 59 | 197 | 0,8 |
| 6501416 | cruera (manioc fragments) | 99 | does not apply | 73 | 456 | 1,0 |
| 6501502 | manioc starch | 99 | does not apply | 72 | 197 | 0,8 |
| 6501505 | manioc sago | 99 | does not apply | 78 | 39 | 0,5 |
| 6501510 | tapioca flour | 99 | does not apply | 59 | 228 | 0,8 |
| 6501511 | beiju flour | 99 | does not apply | 59 | 197 | 0,8 |
| 6501515 | tapioca sago | 99 | does not apply | 78 | 39 | 0,5 |
| 6501516 | tapioca starch | 99 | does not apply | 99 | 208 | 1,4 |
| 6502001 | farinha láctea (milk flour supplement) | 99 | does not apply | 200 | 165 | 1,0 |
| 6502101 | neston (cereal smoothie powder) | 99 | does not apply | 290 | 177 | 1,0 |
| 6502102 | cereal balls | 99 | does not apply | 290 | 177 | 1,0 |
| 6502105 | vitaflocos (flaked corn flour) | 99 | does not apply | 290 | 177 | 1,0 |
| 6502403 | semi-ready mini pizza | 1 | raw | 560 | 127 | 0,9 |
| 6502403 | semi-ready mini pizza | 2 | cooked | 573 | 127 | 0,9 |
| 6502403 | semi-ready mini pizza | 4 | roasted | 593 | 127 | 0,9 |
| 6502403 | semi-ready mini pizza | 5 | fried | 550 | 142 | 1,1 |
| 6502403 | semi-ready mini pizza | 99 | does not apply | 560 | 127 | 0,9 |
| 6502501 | soybean fiber | 99 | does not apply | 167 | 116 | 0,4 |
| 6502603 | mini pastel (Brazilian fried dough) | 99 | does not apply | 953 | 173 | 1,1 |
| 6503401 | spaghetti | 1 | raw | 137 | 173 | 1,1 |
| 6503401 | spaghetti | 2 | cooked | 72 | 75 | 0,5 |
| 6503401 | spaghetti | 3 | grilled or barbecue | 59 | 75 | 0,5 |
| 6503401 | spaghetti | 4 | roasted | 81 | 75 | 0,5 |
| 6503401 | spaghetti | 5 | fried | 74 | 93 | 0,6 |
| 6503401 | spaghetti | 6 | breaded | 124 | 143 | 1,0 |
| 6503401 | spaghetti | 7 | braised | 78 | 93 | 0,6 |
| 6503401 | spaghetti | 8 | red sauce | 97 | 85 | 0,6 |
| 6503401 | spaghetti | 9 | white sauce | 112 | 105 | 0,8 |
| 6503401 | spaghetti | 10 | garlic and oil | 83 | 136 | 0,8 |
| 6503401 | spaghetti | 11 | with butter/oil | 78 | 93 | 0,6 |
| 6503401 | vinaigrette spaghetti | 12 | vinaigrette | 81 | 89 | 0,7 |
| 6503401 | spaghetti | 13 | stew | 74 | 63 | 0,4 |
| 6503401 | spaghetti | 15 | soup | 66 | 78 | 0,5 |
| 6503401 | spaghetti | 99 | does not apply | 72 | 75 | 0,5 |
| 6503501 | smashed potatoes | 99 | does not apply | 75 | 129 | 0,7 |
| 6503601 | vegetable steak | 99 | does not apply | 138 | 94 | 0,5 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|-----|
| 6503603 | vegetable beef | 5 | fried | 166 | 103 | 0,5 |
| 6503604 | soybean pasta | 99 | does not apply | 136 | 22 | 0,3 |
| 6503605 | soy meat | 99 | does not apply | 198 | 161 | 0,5 |
| 6503702 | crushed peanut | 99 | does not apply | 133 | 270 | 0,8 |
| 6504101 | granola | 99 | does not apply | 290 | 177 | 1,0 |
| 6504601 | muesli | 99 | does not apply | 290 | 177 | 1,0 |
| 6504701 | cereal mix | 99 | does not apply | 290 | 177 | 1,0 |
| 6504801 | noodles | 99 | does not apply | 105 | 75 | 0,5 |
| 6504802 | instant noodles | 99 | does not apply | 105 | 75 | 0,5 |
| 6505101 | sustagen (food supplement) | 99 | does not apply | 79 | 152 | 5,8 |
| 6505601 | soy protein | 99 | does not apply | 104 | 86 | 0,3 |
| 6505603 | vegetable protein | 99 | does not apply | 136 | 86 | 0,3 |
| 6505701 | food supplement (any flavour) | 99 | does not apply | 10 | 18 | 0,7 |
| 6505902 | light cornflakes | 99 | does not apply | 290 | 177 | 1,0 |
| 6506003 | light semi-ready mini pizza | 4 | roasted | 413 | 127 | 0,9 |
| 6506302 | light instant noodles | 15 | soup | 100 | 78 | 0,5 |
| 6506302 | light instant noodles | 99 | does not apply | 105 | 75 | 0,5 |
| 6506401 | organic soy protein | 99 | does not apply | 136 | 86 | 0,3 |
| 6573225 | spaghetti with meat | 99 | does not apply | 488 | 337 | 2,1 |
| 6573226 | spaghetti with fish | 99 | does not apply | 125 | 68 | 2,2 |
| | coconuts, nuts and walnuts | | | | | |
| 6600101 | Bahia coconut (dry or green) | 99 | does not apply | 1782 | 892 | 4,0 |
| 6600301 | Portuguese chestnut | 99 | does not apply | 405 | 1912 | 3,4 |
| 6600401 | pine nuts | 99 | does not apply | 405 | 1912 | 3,4 |
| 6600501 | almond | 99 | does not apply | 471 | 1912 | 3,4 |
| 6600601 | hazelnut | 99 | does not apply | 405 | 1912 | 3,4 |
| 6600701 | pará chestnut | 99 | does not apply | 327 | 1600 | 0,7 |
| 6600801 | cashew nut | 99 | does not apply | 327 | 5907 | 0,7 |
| 6600912 | butia (palm tree fruit) | 99 | does not apply | 1782 | 892 | 4,0 |
| 6601108 | tucumã (palm tree fruit) | 99 | does not apply | 1782 | 892 | 4,0 |
| 6601208 | mucaja coconut | 99 | does not apply | 1782 | 892 | 4,0 |
| 6601501 | English walnut | 99 | does not apply | 288 | 1912 | 3,4 |
| 6601706 | • | 99 | does not apply | 185 | 93 | 0,4 |
| 6601707 | juçara (palm tree fruit) | 99 | does not apply | 185 | 93 | 0,4 |
| | uaçaí (fruit) | 99 | does not apply | 185 | 93 | 0,4 |
| 6601712 | jussara (palm tree fruit) | 99 | does not apply | 185 | 93 | 0,4 |
| 6601805 | pupunha (heart of palm) | 99 | does not apply | 1782 | 892 | 4,0 |
| 6601902 | bacaba (fruit) | 99 | does not apply | 1782 | 892 | 4,0 |
| | bacabuçu (fruit) | 99 | does not apply | 1782 | 892 | 4,0 |
| 6602001 | horse chestnut | 99 | does not apply | 327 | 164 | 0,7 |
| 6602201 | pistachio | 99 | does not apply | 580 | 1642 | 2,9 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|-----|-----|
| 6602301 | buriti (moriche palm) | 99 | does not apply | 185 | 93 | 0,4 |
| 6602401 | coconut | 99 | does not apply | 363 | 182 | 0,8 |
| 6602601 | patawa | 99 | does not apply | 1782 | 892 | 4,0 |
| | leafy, fruitful and other vegetables | | | | | |
| 6700101 | lettuce | 99 | does not apply | 41 | 51 | 0,3 |
| 6700201 | vine spinach | 7 | braised | 38 | 102 | 0,3 |
| 6700301 | chicory | 1 | raw | 39 | 48 | 0,2 |
| 6700301 | chicory | 2 | cooked | 48 | 47 | 0,2 |
| 6700301 | chicory | 7 | braised | 54 | 66 | 0,4 |
| 6700301 | vinaigrette chicory | 12 | vinaigrette | 52 | 67 | 0,5 |
| 6700304 | escarole | 99 | does not apply | 38 | 47 | 0,2 |
| 6700501 | collard greens | 1 | raw | 49 | 112 | 0,2 |
| 6700501 | collard greens | 2 | cooked | 58 | 112 | 0,2 |
| 6700501 | collard greens | 5 | fried | 61 | 128 | 0,4 |
| 6700501 | collard greens | 7 | braised | 64 | 128 | 0,4 |
| 6700501 | collard greens | 8 | red sauce | 85 | 114 | 0,4 |
| 6700501 | collard greens | 10 | garlic and oil | 62 | 165 | 0,5 |
| 6700501 | collard greens | 11 | with butter/oil | 55 | 128 | 0,4 |
| 6700501 | vinaigrette collard greens | 12 | vinaigrette | 59 | 118 | 0,5 |
| 6700501 | collard greens | 13 | stew | 65 | 81 | 0,3 |
| 6700501 | collard greens | 14 | porridge | 142 | 157 | 0,9 |
| 6700501 | collard greens | 99 | does not apply | 49 | 112 | 0,2 |
| 6700601 | cauliflower | 1 | raw | 38 | 99 | 0,1 |
| 6700601 | cauliflower | 2 | cooked | 46 | 96 | 0,1 |
| 6700601 | cauliflower | 5 | fried | 50 | 112 | 0,3 |
| 6700601 | cauliflower | 6 | breaded | 103 | 160 | 0,7 |
| 6700601 | cauliflower | 7 | braised | 53 | 112 | 0,3 |
| 6700601 | vinaigrette cauliflower | 12 | vinaigrette | 50 | 105 | 0,4 |
| 6700601 | cauliflower | 99 | does not apply | 37 | 96 | 0,1 |
| 6700701 | spinach | 1 | raw | 23 | 93 | 0,2 |
| 6700701 | spinach | 2 | cooked | 33 | 93 | 0,2 |
| 6700701 | spinach | 7 | braised | 40 | 110 | 0,3 |
| 6700701 | vinaigrette spinach | 12 | vinaigrette | 39 | 103 | 0,4 |
| 6700701 | spinach | 99 | does not apply | 23 | 93 | 0,2 |
| 6700801 | mustard (vegetable) | 1 | raw | 12 | 93 | 0,1 |
| 6700801 | mustard (vegetable) | 2 | cooked | 22 | 90 | 0,1 |
| 6700801 | mustard (vegetable) | 7 | braised | 29 | 107 | 0,3 |
| 6700801 | mustard (vegetable) | 99 | does not apply | 12 | 90 | 0,1 |
| 6700901 | cabbage | 1 | raw | 13 | 96 | 0,1 |
| 6700901 | cabbage | 2 | cooked | 21 | 88 | 0,1 |
| 6700901 | cabbage | 5 | fried | 26 | 105 | 0,3 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 6700901 | cabbage | 7 | braised | 29 | 105 | 0,3 |
| 6700901 | cabbage | 9 | white sauce | 61 | 116 | 0,5 |
| 6700901 | cabbage with oil and garlic | 10 | garlic and oil | 33 | 153 | 0,5 |
| 6700901 | vinaigrette cabbage | 12 | vinaigrette | 31 | 105 | 0,4 |
| 6700901 | stewed cabbage | 13 | stew | 47 | 69 | 0,3 |
| 6700901 | cabbage | 15 | soup | 27 | 87 | 0,3 |
| 6700901 | cabbage | 99 | does not apply | 13 | 96 | 0,1 |
| 6701101 | chives | 99 | does not apply | 23 | 179 | 0,1 |
| 6701301 | cress | 1 | raw | 16 | 121 | 0,2 |
| 6701301 | cress | 2 | cooked | 25 | 117 | 0,2 |
| 6701301 | vinaigrette cress | 12 | vinaigrette | 33 | 125 | 0,5 |
| 6701301 | cress | 13 | stew | 49 | 84 | 0,3 |
| 6701301 | cress | 99 | does not apply | 16 | 121 | 0,2 |
| 6701401 | taioba (arrowleaf elephant ear) | 1 | raw | 11 | 68 | 0,4 |
| 6701401 | taioba (arrowleaf elephant ear) | 2 | cooked | 20 | 68 | 0,4 |
| 6701401 | taioba (arrowleaf elephant ear) | 7 | braised | 28 | 86 | 0,6 |
| 6701501 | chard | 1 | raw | 37 | 46 | 0,2 |
| 6701501 | chard | 2 | cooked | 46 | 45 | 0,2 |
| 6701501 | chard | 7 | braised | 53 | 64 | 0,4 |
| 6701501 | chard | 99 | does not apply | 36 | 45 | 0,2 |
| 6701505 | silver beetroot (chard) | 2 | cooked | 46 | 45 | 0,2 |
| 6701601 | almeirão (chicory) | 1 | raw | 39 | 48 | 0,2 |
| 6701601 | almeirão (chicory) | 2 | cooked | 48 | 47 | 0,2 |
| 6701601 | almeirão (chicory) | 7 | braised | 54 | 66 | 0,4 |
| 6701601 | vinaigrette almeirão (chicory) | 12 | vinaigrette | 52 | 67 | 0,5 |
| 6701602 | radite (chicory) | 1 | raw | 39 | 48 | 0,2 |
| 6701602 | radite (chicory) | 7 | braised | 54 | 66 | 0,4 |
| 6701602 | vinaigrette radite (chicory) | 12 | vinaigrette | 52 | 67 | 0,5 |
| 6701704 | broccoli | 1 | raw | 42 | 89 | 0,2 |
| 6701704 | broccoli | 2 | cooked | 50 | 86 | 0,2 |
| 6701704 | broccoli | 6 | breaded | 106 | 152 | 0,8 |
| 6701704 | broccoli | 7 | braised | 57 | 103 | 0,3 |
| 6701704 | broccoli | 10 | garlic and oil | 56 | 147 | 0,5 |
| 6701704 | vinaigrette broccoli | 12 | vinaigrette | 54 | 99 | 0,4 |
| 6701704 | broccoli | 99 | does not apply | 42 | 89 | 0,2 |
| 6701801 | sow thistle | 1 | raw | 12 | 89 | 0,1 |
| 6701801 | sow thistle | 2 | cooked | 21 | 86 | 0,1 |
| 6701801 | sow thistle | 7 | braised | 29 | 103 | 0,3 |
| 6701901 | caruru (condiment made of okra) | 2 | cooked | 22 | 94 | 0,1 |
| 6701906 | cuxá (roselle sauce) | 99 | does not apply | 13 | 94 | 0,1 |
| 6701907 | roselle | 99 | does not apply | 13 | 94 | 0,1 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|----|-----|-----|
| 6701913 | cariru (waterleaf) | 99 | does not apply | 13 | 94 | 0,1 |
| 6702001 | arugula | 99 | does not apply | 16 | 117 | 0,2 |
| 6702105 | jambu (toothache plant) | 99 | does not apply | 12 | 90 | 0,1 |
| 6702201 | bugloss | 1 | raw | 16 | 121 | 0,2 |
| 6702301 | artichoke | 99 | does not apply | 54 | 90 | 0,2 |
| 6702501 | slender amaranth | 99 | does not apply | 13 | 94 | 0,1 |
| 6702604 | celery | 7 | braised | 56 | 69 | 0,4 |
| 6702801 | fennel | 99 | does not apply | 36 | 44 | 0,2 |
| 6703003 | cassava leaf | 1 | raw | 47 | 58 | 0,3 |
| 6703004 | manioc leaf | 2 | cooked | 57 | 58 | 0,3 |
| 6703101 | bean sprout | 1 | raw | 34 | 80 | 0,2 |
| 6703101 | bean sprout | 2 | cooked | 44 | 81 | 0,2 |
| 6703306 | moranga (squash) | 2 | cooked | 57 | 82 | 0,2 |
| 6703306 | moranga (squash) | 7 | braised | 63 | 99 | 0,3 |
| 6703306 | moranga (squash) | 13 | stew | 65 | 66 | 0,3 |
| 6703306 | moranga (squash) | 99 | does not apply | 57 | 82 | 0,2 |
| 6703701 | zucchini | 1 | raw | 22 | 104 | 0,2 |
| 6703701 | zucchini | 2 | cooked | 32 | 106 | 0,2 |
| 6703701 | zucchini | 3 | grilled or barbecue | 22 | 106 | 0,2 |
| 6703701 | zucchini | 4 | roasted | 44 | 106 | 0,2 |
| 6703701 | zucchini | 5 | fried | 36 | 122 | 0,4 |
| 6703701 | zucchini | 6 | breaded | 91 | 167 | 0,8 |
| 6703701 | zucchini | 7 | braised | 39 | 122 | 0,4 |
| 6703701 | zucchini | 13 | stew | 52 | 78 | 0,3 |
| 6703805 | squash | 1 | raw | 44 | 106 | 0,2 |
| 6703805 | squash | 2 | cooked | 44 | 82 | 0,2 |
| 6703901 | pumpkin | 1 | raw | 49 | 118 | 0,2 |
| 6703901 | pumpkin | 2 | cooked | 47 | 90 | 0,2 |
| 6703901 | pumpkin | 4 | roasted | 60 | 90 | 0,2 |
| 6703901 | pumpkin | 5 | fried | 51 | 107 | 0,4 |
| 6703901 | pumpkin | 7 | braised | 54 | 107 | 0,4 |
| 6703901 | pumpkin | 8 | red sauce | 76 | 97 | 0,3 |
| 6703901 | pumpkin | 13 | stew | 60 | 71 | 0,3 |
| 6703901 | pumpkin | 15 | soup | 46 | 89 | 0,3 |
| 6703901 | pumpkin | 99 | does not apply | 38 | 90 | 0,2 |
| 6704001 | cucumber | 99 | does not apply | 44 | 107 | 0,4 |
| 6704101 | chayote | 1 | raw | 46 | 110 | 0,2 |
| 6704101 | chayote | 2 | cooked | 76 | 158 | 0,3 |
| 6704101 | chayote | 4 | roasted | 88 | 158 | 0,3 |
| 6704101 | | 7 | braised | 81 | 171 | 0,5 |
| 6704101 | chayote | 8 | red sauce | 99 | 151 | 0,5 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 6704101 | | 10 | garlic and oil | 76 | 202 | 0,6 |
| 6704101 | vinaigrette chayote | 12 | vinaigrette | 73 | 155 | 0,5 |
| 6704101 | chayote | 13 | stew | 74 | 104 | 0,4 |
| 6704101 | chayote (soup) | 15 | soup | 68 | 140 | 0,4 |
| 6704201 | scarlet eggplant | 1 | raw | 41 | 93 | 0,2 |
| 6704201 | scarlet eggplant | 2 | cooked | 51 | 95 | 0,2 |
| 6704201 | scarlet eggplant | 4 | roasted | 63 | 95 | 0,2 |
| 6704201 | scarlet eggplant | 5 | fried | 54 | 111 | 0,4 |
| 6704201 | scarlet eggplant | 7 | braised | 57 | 111 | 0,4 |
| 6704201 | scarlet eggplant | 11 | with butter/oil | 48 | 111 | 0,4 |
| 6704201 | scarlet eggplant | 13 | stew | 62 | 73 | 0,3 |
| 6704201 | scarlet eggplant | 99 | does not apply | 41 | 95 | 0,2 |
| 6704301 | maxixe (gherkin) | 1 | raw | 44 | 106 | 0,2 |
| 6704301 | maxixe (gherkin) | 2 | cooked | 55 | 108 | 0,2 |
| 6704301 | maxixe (gherkin) | 7 | braised | 61 | 124 | 0,4 |
| 6704301 | maxixe (gherkin) | 13 | stew | 64 | 79 | 0,3 |
| 6704306 | gherkin | 2 | cooked | 55 | 108 | 0,2 |
| 6704306 | gherkin | 12 | vinaigrette | 57 | 115 | 0,5 |
| 6704401 | heart of palm (in natura) | 1 | raw | 81 | 240 | 1,1 |
| 6704401 | heart of palm (in natura) | 2 | cooked | 92 | 244 | 1,1 |
| 6704401 | heart of palm (in natura) | 7 | braised | 96 | 253 | 1,3 |
| 6704401 | heart of palm (in natura) | 13 | stew | 82 | 147 | 0,8 |
| 6704409 | guariroba (heart of palm in natura) | 2 | cooked | 92 | 244 | 1,1 |
| 6704409 | guariroba (heart of palm in natura) | 7 | braised | 96 | 253 | 1,3 |
| 6704409 | guariroba (heart of palm in natura) | 8 | red sauce | 112 | 220 | 1,1 |
| 6704410 | guariroba (heart of palm in natura) | 2 | cooked | 92 | 244 | 1,1 |
| 6704410 | guariroba (heart of palm in natura) | 7 | braised | 96 | 253 | 1,3 |
| 6704501 | bell pepper | 99 | does not apply | 43 | 97 | 0,2 |
| 6705001 | okra | 1 | raw | 40 | 97 | 0,2 |
| 6705001 | okra | 2 | cooked | 51 | 98 | 0,2 |
| 6705001 | okra | 5 | fried | 54 | 115 | 0,4 |
| 6705001 | okra | 6 | breaded | 106 | 161 | 0,8 |
| 6705001 | okra | 7 | braised | 57 | 115 | 0,4 |
| 6705001 | okra | 13 | stew | 62 | 74 | 0,3 |
| 6705001 | okra | 99 | does not apply | 41 | 98 | 0,2 |
| 6705101 | tomato | 99 | does not apply | 82 | 9 | 0,1 |
| 6705201 | green bean | 1 | raw | 56 | 93 | 2,9 |
| 6705201 | green bean | 2 | cooked | 67 | 95 | 3,0 |
| 6705201 | green bean | 7 | braised | 72 | 112 | 3,0 |
| 6705201 | green bean | 11 | with butter/oil | 63 | 112 | 3,0 |
| 6705201 | green bean | 13 | stew | 70 | 73 | 1,7 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|-----------------------------------------------|------|-------------------------|-----|-----|-----|
| 6705201 | green bean | 99 | does not apply | 57 | 95 | 3,0 |
| 6705301 | mushroom (in natura) | 99 | does not apply | 48 | 81 | 0,1 |
| 6705401 | eggplant | 1 | raw | 42 | 97 | 0,2 |
| 6705401 | eggplant | 2 | cooked | 72 | 142 | 0,3 |
| 6705401 | eggplant | 4 | roasted | 84 | 142 | 0,3 |
| 6705401 | eggplant | 5 | fried | 74 | 156 | 0,4 |
| 6705401 | eggplant | 6 | breaded | 123 | 196 | 0,8 |
| 6705401 | eggplant | 7 | braised | 77 | 156 | 0,4 |
| 6705401 | vinaigrette eggplant | 12 | vinaigrette | 70 | 142 | 0,5 |
| 6705401 | eggplant | 13 | stew | 72 | 96 | 0,3 |
| 6705401 | eggplant | 99 | does not apply | 62 | 142 | 0,3 |
| 6705501 | snow pea | 2 | cooked | 103 | 391 | 0,5 |
| 6705501 | snow pea | 7 | braised | 106 | 393 | 0,7 |
| 6705701 | onion | 1 | raw | 23 | 52 | 0,1 |
| 6705701 | onion | 2 | cooked | 33 | 53 | 0,1 |
| 6705701 | onion | 3 | grilled or barbecue | 24 | 53 | 0,1 |
| 6705701 | onion | 4 | roasted | 46 | 53 | 0,1 |
| 6705701 | onion | 5 | fried | 37 | 71 | 0,3 |
| 6705701 | onion | 7 | braised | 40 | 71 | 0,3 |
| 6705701 | onion | 8 | red sauce | 55 | 67 | 0,3 |
| 6705701 | onion | 11 | with butter/oil | 31 | 71 | 0,3 |
| 6705701 | onion vinaigrette | 12 | vinaigrette | 39 | 70 | 0,4 |
| 6705701 | onion | 99 | does not apply | 23 | 52 | 0,1 |
| 6705801 | catalonha (chicory) | 7 | braised | 52 | 63 | 0,4 |
| 6706101 | jardineira (vegetable mix) | 99 | does not apply | 81 | 240 | 1,1 |
| 6706102 | vegetable mix (jardineira) | 99 | does not apply | 173 | 125 | 0,5 |
| 6706201 | garlic | 99 | does not apply | 25 | 330 | 0,1 |
| 6706301 | leek | 99 | does not apply | 26 | 204 | 0,2 |
| 6707301 | alfafa sprout | 99 | does not apply | 33 | 78 | 0,1 |
| 6707801 | organic lettuce | 99 | does not apply | 41 | 51 | 0,2 |
| 6707901 | organic tomato | 99 | does not apply | 91 | 48 | 0,1 |
| 6708001 | organic bell pepper | 99 | does not apply | 43 | 97 | 0,2 |
| 6709701 | oregano | 99 | does not apply | 34 | 42 | 0,2 |
| | fruits | | | | | |
| 6801017 | pacova (Brazilian cardamom) | 99 | does not apply | 269 | 135 | 0,6 |
| 6801101 | banana (lady finger, cavendish, cooking etc.) | 1 | raw | 139 | 146 | 0,6 |
| | banana (lady finger, cavendish, cooking etc.) | 2 | cooked | 145 | 146 | 0,6 |
| | banana (lady finger, cavendish, cooking etc.) | 4 | roasted | 155 | 146 | 0,6 |
| 6801101 | | 5 | fried | 147 | 160 | 0,8 |
| 6801101 | | 6 | breaded | 178 | 200 | 1,1 |
| 6801101 | banana (lady finger, cavendish, cooking etc.) | . 11 | with butter/oil | 147 | 160 | 0,8 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|-----------------------------------------------|------|-------------------------|-----|-----|-----|
| 6801101 | banana (lady finger, cavendish, cooking etc.) | 13 | stew | 101 | 98 | 0,5 |
| 6801101 | banana (lady finger, cavendish, cooking etc.) | 14 | porridge | 151 | 160 | 0,9 |
| 6801101 | banana (lady finger, cavendish, cooking etc.) | 15 | soup | 112 | 131 | 0,6 |
| 6801101 | banana (lady finger, cavendish, cooking etc.) | 99 | does not apply | 139 | 146 | 0,6 |
| 6801801 | orange (pear, navel, lime etc.) | 99 | does not apply | 40 | 62 | 0,6 |
| 6801901 | lime | 99 | does not apply | 12 | 84 | 0,6 |
| 6802001 | lemon (common, key lime etc.) | 99 | does not apply | 18 | 118 | 0,9 |
| 6802201 | tangerine | 99 | does not apply | 78 | 73 | 0,6 |
| 6802202 | mandarin orange | 99 | does not apply | 78 | 80 | 0,6 |
| 6802217 | bergamot orange | 99 | does not apply | 78 | 76 | 0,6 |
| 6802218 | mimosa (tangerine) | 99 | does not apply | 78 | 76 | 0,6 |
| 6802223 | tangelo | 99 | does not apply | 78 | 76 | 0,6 |
| 6802227 | maricota (tangerine) | 99 | does not apply | 78 | 76 | 0,6 |
| 6802407 | kinkan | 99 | does not apply | 40 | 62 | 0,6 |
| 6802501 | sugar cane | 99 | does not apply | 98 | 18 | 0,5 |
| 6802601 | pineapple | 99 | does not apply | 40 | 25 | 0,6 |
| 6802602 | ananas | 99 | does not apply | 9 | 607 | 0,6 |
| 6802701 | avocado | 99 | does not apply | 51 | 145 | 0,6 |
| 6802801 | persimmon | 99 | does not apply | 66 | 443 | 0,5 |
| 6802901 | fig | 99 | does not apply | 27 | 137 | 0,5 |
| 6803001 | apple | 99 | does not apply | 27 | 20 | 0,1 |
| 6803101 | formosa papaya | 99 | does not apply | 144 | 34 | 0,6 |
| 6803108 | papaya | 99 | does not apply | 144 | 34 | 0,6 |
| 6803201 | mango | 99 | does not apply | 15 | 155 | 0,7 |
| 6803215 | manguito (small-shaped mango) | 99 | does not apply | 97 | 650 | 0,7 |
| 6803301 | passion fruit | 99 | does not apply | 25 | 804 | 0,8 |
| 6803401 | watermelon | 99 | does not apply | 227 | 38 | 0,7 |
| 6803501 | melon | 99 | does not apply | 101 | 27 | 0,6 |
| 6803601 | pear | 99 | does not apply | 14 | 129 | 0,2 |
| 6803701 | peach | 99 | does not apply | 43 | 156 | 0,7 |
| 6803801 | sugar apple | 99 | does not apply | 120 | 804 | 0,8 |
| 6803802 | sweetsop (sugar apple) | 99 | does not apply | 120 | 804 | 0,8 |
| 6803803 | ata (sugar apple) | 99 | does not apply | 120 | 804 | 0,8 |
| 6803901 | grape | 99 | does not apply | 24 | 44 | 0,5 |
| 6803912 | raisin | 99 | does not apply | 85 | 175 | 0,5 |
| 6804001 | jenipapo (fruit used to produce liquors) | 99 | does not apply | 90 | 600 | 0,6 |
| 6804101 | jackfruit | 99 | does not apply | 103 | 688 | 0,7 |
| 6804201 | guava | 99 | does not apply | 10 | 106 | 0,5 |
| 6804203 | araçá açú (guava) | 99 | does not apply | 67 | 446 | 0,5 |
| 6804301 | plum | 99 | does not apply | 42 | 156 | 0,3 |
| 6804401 | cashew | 99 | does not apply | 163 | 443 | 0,5 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|------|-----|
| 6804501 | cherry | 99 | does not apply | 40 | 157 | 0,6 |
| 6804601 | june plum | 99 | does not apply | 66 | 443 | 0,5 |
| 6804602 | cajarana (june plum) | 99 | does not apply | 66 | 443 | 0,5 |
| 6804701 | taperebá (hog plum) | 99 | does not apply | 66 | 443 | 0,5 |
| 6804702 | acajá (hog plum) | 99 | does not apply | 66 | 443 | 0,5 |
| 6804801 | star fruit | 99 | does not apply | 66 | 443 | 0,5 |
| 6804901 | jaboticaba | 99 | does not apply | 73 | 487 | 0,5 |
| 6805001 | soursop | 99 | does not apply | 97 | 650 | 0,7 |
| 6805201 | strawberry | 99 | does not apply | 64 | 59 | 0,2 |
| 6805301 | jambu (wax apple) | 99 | does not apply | 66 | 443 | 0,5 |
| 6805401 | atemoya | 99 | does not apply | 120 | 804 | 0,8 |
| 6805601 | mangaba fruit | 99 | does not apply | 66 | 443 | 0,5 |
| 6805701 | araçá (strawberry guava) | 99 | does not apply | 67 | 446 | 0,5 |
| 6805801 | loquat | 99 | does not apply | 67 | 446 | 0,5 |
| 6805901 | breadfruit | 99 | does not apply | 59 | 392 | 0,4 |
| 6806001 | sapodilla | 99 | does not apply | 67 | 446 | 0,5 |
| 6806101 | uxi fruit | 99 | does not apply | 67 | 446 | 0,5 |
| 6806201 | tamarind | 99 | does not apply | 67 | 446 | 0,5 |
| 6806301 | cocoa | 99 | does not apply | 431 | 4304 | 6,4 |
| 6806401 | pitomba | 99 | does not apply | 70 | 467 | 0,5 |
| 6806501 | bacuri | 99 | does not apply | 67 | 446 | 0,5 |
| 6806601 | inga fruit | 99 | does not apply | 64 | 425 | 0,4 |
| 6806701 | pequi (souari nut) | 99 | does not apply | 67 | 446 | 0,5 |
| 6806801 | pitanga (Brazilian cherry) | 99 | does not apply | 70 | 467 | 0,5 |
| 6806901 | ciriguela (red mombin) | 99 | does not apply | 66 | 443 | 0,5 |
| 6807001 | murici fruit | 99 | does not apply | 66 | 443 | 0,5 |
| 6807101 | umbu (Brazil plum) | 99 | does not apply | 66 | 443 | 0,5 |
| 6807103 | imbu (Brazil plum) | 99 | does not apply | 66 | 443 | 0,5 |
| 6807202 | biriba (wild sugar apple) | 99 | does not apply | 97 | 650 | 0,7 |
| 6807301 | cupuaçu | 99 | does not apply | 90 | 600 | 0,6 |
| 6807401 | nectarine | 99 | does not apply | 43 | 156 | 0,7 |
| 6807501 | mari | 99 | does not apply | 64 | 430 | 0,4 |
| 6807601 | pomegranate | 99 | does not apply | 83 | 552 | 0,6 |
| 6807701 | acerola cherry | 99 | does not apply | 66 | 443 | 0,5 |
| 6807801 | kiwi | 99 | does not apply | 150 | 136 | 0,3 |
| 6808001 | abiu fruit | 99 | does not apply | 66 | 443 | 0,5 |
| 6808201 | jurubeba fruit | 99 | does not apply | 64 | 426 | 0,4 |
| 6808401 | fruit (unspecified) | 99 | does not apply | 96 | 436 | 0,4 |
| 6808601 | organic apple | 99 | does not apply | 27 | 20 | 0,1 |
| 6808901 | organic acerola cherry | 99 | does not apply | 66 | 443 | 0,5 |
| 6809901 | blackberry | 99 | does not apply | 19 | 446 | 0,5 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|------|-----|
| 6810201 | jamun (black plum) | 99 | does not apply | 67 | 451 | 0,5 |
| | sugars and confectionery products | | | | | |
| 6900302 | demerara sugar | 99 | does not apply | 77 | 65 | 0,4 |
| 6900304 | brown sugar | 99 | does not apply | 180 | 109 | 0,4 |
| 6900401 | rapadura (sugar cane sweet) | 99 | does not apply | 77 | 34 | 0,4 |
| 6900402 | alfenim (sugar cane sweet) | 99 | does not apply | 77 | 34 | 0,4 |
| 6900403 | batida (seasoned rapadura) | 99 | does not apply | 77 | 65 | 0,4 |
| 6900501 | industrialized ice cream (any flavour) | 99 | does not apply | 235 | 611 | 3,4 |
| 6900502 | industrialized popsicle (any flavour) | 99 | does not apply | 235 | 611 | 3,4 |
| 6900601 | bubble gum | 99 | does not apply | 330 | 59 | 0,4 |
| 6900603 | sweets | 99 | does not apply | 400 | 59 | 0,4 |
| 6900604 | caramel (sweets) | 99 | does not apply | 330 | 59 | 0,4 |
| 6900605 | drops | 99 | does not apply | 330 | 59 | 0,4 |
| 6900606 | pastille | 99 | does not apply | 330 | 59 | 0,4 |
| 6900607 | lollipop | 99 | does not apply | 330 | 59 | 0,4 |
| 6900609 | chewing gum | 99 | does not apply | 330 | 59 | 0,4 |
| 6900610 | gummy sweets | 99 | does not apply | 259 | 59 | 0,4 |
| 6900701 | chocolate slab | 99 | does not apply | 233 | 2643 | 4,6 |
| 6900702 | chocolate bar | 99 | does not apply | 233 | 2643 | 4,6 |
| 6900706 | chocolate confetti | 99 | does not apply | 233 | 2643 | 4,6 |
| 6900801 | cocoa powder (any brand) | 99 | does not apply | 253 | 2491 | 4,6 |
| 6900818 | ovaltine (ovomaltine) | 99 | does not apply | 79 | 152 | 5,8 |
| 6900821 | chocolate powder | 99 | does not apply | 79 | 152 | 5,8 |
| 6900822 | toddynho (industrialized chocolate milk) | 99 | does not apply | 79 | 152 | 5,8 |
| 6900901 | bonbon (any brand) | 99 | does not apply | 233 | 2643 | 4,6 |
| 6900904 | chocolate truffle | 99 | does not apply | 233 | 2643 | 4,6 |
| 6901001 | fruit jelly (jam of any brand or flavour) | 99 | does not apply | 350 | 125 | 0,6 |
| 6901002 | any flavour mousse (jelly) | 99 | does not apply | 180 | 127 | 0,9 |
| 6901101 | mocotó (calf's foot) jelly | 99 | does not apply | 295 | 125 | 0,6 |
| 6901201 | fruit paste (any flavour) | 99 | does not apply | 295 | 125 | 0,6 |
| 6901203 | peanut butter | 99 | does not apply | 119 | 246 | 1,0 |
| 6901204 | pessegada (peach paste) | 99 | does not apply | 295 | 125 | 0,6 |
| 6901206 | marmelade | 99 | does not apply | 240 | 125 | 0,6 |
| 6901209 | figada (fig paste) | 99 | does not apply | 295 | 125 | 0,6 |
| 6901211 | goiabada (guava paste) | 99 | does not apply | 295 | 125 | 0,6 |
| 6901214 | cashew paste | 99 | does not apply | 295 | 125 | 0,6 |
| 6901224 | mariola (fruit paste) | 99 | does not apply | 295 | 125 | 0,6 |
| 6901301 | fruits in syrup (any flavour) | 99 | does not apply | 160 | 125 | 0,6 |
| 6901401 | candied fruits in syrup (any flavour) | 99 | does not apply | 160 | 125 | 0,6 |
| 6901501 | molasses | 99 | does not apply | 77 | 34 | 0,4 |
| 6901602 | honey | 99 | does not apply | 200 | 398 | 0,9 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------------|------|-------------------------|------|------|-----|
| 6901701 | jelly (any flavour) | 99 | does not apply | 9 | 4 | 0,0 |
| 6901801 | artificial sweetener | 99 | does not apply | 4457 | 1748 | 3,4 |
| 6902004 | meringue | 99 | does not apply | 330 | 59 | 0,4 |
| 6902301 | sugar cane schmier | 99 | does not apply | 295 | 125 | 0,6 |
| 6902401 | dried or dehydrated fruit | 99 | does not apply | 72 | 308 | 0,4 |
| 6902402 | raisin | 99 | does not apply | 68 | 141 | 0,4 |
| 6902601 | pudding (any flavour) | 99 | does not apply | 320 | 398 | 2,7 |
| 6902607 | danette (chocolate pudding) | 99 | does not apply | 320 | 398 | 2,7 |
| 6902701 | manjar (coconut pudding) - no syrup | 99 | does not apply | 144 | 172 | 0,9 |
| 6902901 | couscous | 99 | does not apply | 30 | 92 | 0,4 |
| 6902902 | tapioca couscous | 99 | does not apply | 118 | 166 | 0,7 |
| 6903001 | maria mole (coconut marshmallow) | 99 | does not apply | 295 | 125 | 0,6 |
| 6903101 | cocada (coconut sweet) | 99 | does not apply | 160 | 102 | 0,5 |
| 6903102 | quebra-queixo (tough coconut sweet) | 99 | does not apply | 114 | 81 | 0,4 |
| 6903201 | peanut sweet | 99 | does not apply | 94 | 135 | 0,6 |
| 6903202 | pé de moleque (caramelized peanut sweet) | 99 | does not apply | 160 | 125 | 0,6 |
| 6903203 | paçoca (peanut sweet) | 99 | does not apply | 160 | 125 | 0,6 |
| 6903204 | peanut nougat | 99 | does not apply | 118 | 152 | 1,1 |
| 6903205 | paçoquinha (peanut sweet) | 99 | does not apply | 160 | 125 | 0,6 |
| 6903207 | candied peanuts | 99 | does not apply | 115 | 230 | 0,7 |
| 6903208 | buttered peanuts | 99 | does not apply | 160 | 125 | 0,6 |
| 6903209 | chocolate peanuts | 99 | does not apply | 153 | 745 | 1,5 |
| 6903303 | spicy peanuts | 99 | does not apply | 160 | 125 | 0,6 |
| 6903304 | boiled peanuts | 99 | does not apply | 133 | 270 | 0,8 |
| 6903601 | brigadeiro (Brazilian fudge balls) | 99 | does not apply | 236 | 308 | 1,5 |
| 6903701 | éclair (any type) | 99 | does not apply | 233 | 2643 | 4,6 |
| 6903801 | mille-feuille (vanilla slice) | 99 | does not apply | 180 | 127 | 0,9 |
| 6903901 | queijadinha (coconut and cheese cupcake) | 99 | does not apply | 330 | 59 | 0,4 |
| 6904101 | egg-based sweet | 99 | does not apply | 330 | 59 | 0,4 |
| 6904104 | caçarola italiana (cheese and coconut pudding) | 99 | does not apply | 200 | 165 | 1,0 |
| 6904105 | quindim (egg yolk sweet) | 99 | does not apply | 330 | 59 | 0,4 |
| 6904108 | fios de ovos (egg yolk threads) | 99 | does not apply | 330 | 59 | 0,4 |
| 6904201 | crème brûlée | 99 | does not apply | 200 | 165 | 1,0 |
| 6904202 | pave (any flavour) | 99 | does not apply | 236 | 263 | 1,6 |
| 6904203 | ambrosia (milk and eggs sweet) | 99 | does not apply | 143 | 142 | 0,9 |
| 6904204 | flan | 99 | does not apply | 200 | 165 | 1,0 |
| 6904205 | chandelle (any flavour industrialized pudding) | 99 | does not apply | 333 | 265 | 2,6 |
| 6904302 | mumu (dulce de leche) | 99 | does not apply | 200 | 165 | 1,0 |
| 6904401 | canudinho recheado (sweet and stuffed fried dough) | 99 | does not apply | 180 | 127 | 0,9 |
| 6904501 | sarolho (cassava starch and coconut sweet) | 99 | does not apply | 122 | 145 | 0,6 |
| 6904502 | beiju (cassava starch dough) | 99 | does not apply | 59 | 197 | 0,8 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|-----------------------------------------------|------|-------------------------|-----|------|-----|
| 6904601 | fruit schmier (except sugar cane) | 99 | does not apply | 32 | 34 | 0,2 |
| 6904701 | beijo de moça (cornstarch biscuit) | 99 | does not apply | 208 | 203 | 3,0 |
| 6904801 | popsicle | 99 | does not apply | 235 | 611 | 3,4 |
| 6904807 | ice pop | 99 | does not apply | 235 | 611 | 3,4 |
| 6905001 | churros | 99 | does not apply | 200 | 165 | 1,0 |
| 6905101 | pamonha (corn sweet) | 99 | does not apply | 89 | 211 | 1,0 |
| 6905401 | candy floss | 99 | does not apply | 164 | 223 | 1,1 |
| 6905603 | ioiô creme (chocolate cream) | 99 | does not apply | 253 | 2491 | 4,6 |
| 6905801 | easter egg (chocolate egg) | 99 | does not apply | 233 | 2643 | 4,6 |
| 6905804 | kinder egg | 99 | does not apply | 233 | 2643 | 4,6 |
| 6905901 | torrone (italian nougat) | 99 | does not apply | 330 | 59 | 0,4 |
| 6906001 | rice pudding | 99 | does not apply | 124 | 97 | 0,6 |
| 6906404 | coconut pulp | 99 | does not apply | 54 | 27 | 0,1 |
| 6906501 | diet shake (food supplement) | 99 | does not apply | 16 | 30 | 1,2 |
| 6906502 | diet shake (food concentrate) | 99 | does not apply | 16 | 30 | 1,2 |
| 6906602 | sugar | 99 | does not apply | 42 | 68 | 0,4 |
| 6907001 | light sugar | 99 | does not apply | 77 | 65 | 0,4 |
| 6907201 | cereal bar | 99 | does not apply | 290 | 177 | 1,0 |
| 6907202 | savoury cereal bar | 99 | does not apply | 290 | 177 | 1,0 |
| 6907203 | sweet cereal bar | 99 | does not apply | 290 | 177 | 1,0 |
| 6907301 | dessert of any kind (except for kids) | 99 | does not apply | 180 | 127 | 0,9 |
| 6907401 | French toast | 99 | does not apply | 182 | 243 | 1,5 |
| 6907501 | milk shake | 99 | does not apply | 235 | 611 | 3,4 |
| 6907901 | diet jelly (jam) | 99 | does not apply | 295 | 125 | 0,6 |
| 6908001 | diet fruit sweet | 99 | does not apply | 295 | 125 | 0,6 |
| 6908401 | pastéis de santa clara (egg stuffed pies) | 99 | does not apply | 220 | 388 | 2,5 |
| 6908501 | suspiro (meringue) | 99 | does not apply | 266 | 245 | 1,6 |
| 6909301 | diet candied fruit sweet of any flavour | 99 | does not apply | 24 | 84 | 0,4 |
| 6909601 | light industrialized ice cream of any flavour | 99 | does not apply | 235 | 611 | 3,4 |
| 6909701 | diet industrialized ice cream of any flavour | 99 | does not apply | 235 | 611 | 3,4 |
| 6909803 | light sweets | 99 | does not apply | 330 | 59 | 0,4 |
| 6909901 | diet bubble gum | 99 | does not apply | 330 | 59 | 0,4 |
| 6909903 | diet sweets | 99 | does not apply | 330 | 59 | 0,4 |
| 6910002 | light chocolate bar | 99 | does not apply | 233 | 2643 | 4,6 |
| 6910102 | diet chocolate bar | 99 | does not apply | 233 | 2643 | 4,6 |
| 6910221 | light chocolate powder | 99 | does not apply | 79 | 152 | 5,8 |
| 6910321 | diet chocolate powder | 99 | does not apply | 79 | 152 | 5,8 |
| 6910322 | diet toddynho (industrialized chocolate milk) | 99 | does not apply | 79 | 152 | 5,8 |
| 6910401 | light bonbon (any brand) | 99 | does not apply | 233 | 2643 | 4,6 |
| 6910501 | diet bonbon (any brand) | 99 | does not apply | 233 | 2643 | 4,6 |
| 6910502 | diet caramel bonbon (any brand) | 99 | does not apply | 233 | 2643 | 4,6 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|-------------------------------------------------|------|-------------------------|------|------|------|
| 6910601 | light fruit jelly (jam of any brand or flavour) | 99 | does not apply | 295 | 125 | 0,6 |
| 6910604 | light jelly (jam) | 99 | does not apply | 295 | 125 | 0,6 |
| 6910605 | light fruit jelly (jam) | 99 | does not apply | 295 | 125 | 0,6 |
| 6910701 | light fruit paste or bar | 99 | does not apply | 295 | 125 | 0,6 |
| 6910702 | light fruit paste | 99 | does not apply | 295 | 125 | 0,6 |
| 6910801 | light pudding (any flavour) | 99 | does not apply | 320 | 398 | 2,7 |
| 6910808 | light danette pudding (chocolate pudding) | 99 | does not apply | 320 | 398 | 2,7 |
| 6910901 | diet pudding (any flavour) | 99 | does not apply | 320 | 398 | 2,7 |
| 6911201 | light dulce de leche | 99 | does not apply | 200 | 165 | 1,0 |
| 6911301 | diet dulce de leche | 99 | does not apply | 200 | 165 | 1,0 |
| 6912501 | diet cereal bar | 99 | does not apply | 290 | 177 | 1,0 |
| 6912502 | diet sweet cereal bar | 99 | does not apply | 290 | 177 | 1,0 |
| 6912801 | diet milk shake | 99 | does not apply | 79 | 152 | 5,8 |
| 6913001 | diet cocada (coconut sweet) | 99 | does not apply | 295 | 125 | 0,6 |
| 6913101 | diet peanut sweet | 99 | does not apply | 160 | 125 | 0,6 |
| 6913103 | diet paçoca (peanut sweet) | 99 | does not apply | 295 | 125 | 0,6 |
| 6913108 | diet buttered peanut | 99 | does not apply | 160 | 125 | 0,6 |
| 6913801 | diet milk-based sweet | 99 | does not apply | 200 | 165 | 1,0 |
| 6913901 | light jelly (fam of any flavour) | 99 | does not apply | 9 | 4 | 0,0 |
| 6914001 | light sweetener | 99 | does not apply | 4457 | 1748 | 3,4 |
| 6914002 | light sweetener powder | 99 | does not apply | 4457 | 1748 | 3,4 |
| 6914003 | light liquid sweetener | 99 | does not apply | 4457 | 1748 | 3,4 |
| | salts and seasonings | | | | | |
| 7001501 | mustard (sauce) | 99 | does not apply | 156 | 43 | 3,4 |
| 7002304 | mint | 99 | does not apply | 34 | 80 | 0,2 |
| 7002401 | pickled capers | 99 | does not apply | 82 | 522 | 0,6 |
| 7002601 | cilantro | 99 | does not apply | 34 | 42 | 0,1 |
| 7003601 | soy sauce | 99 | does not apply | 156 | 63 | 3,4 |
| 7003604 | shoyu (soy sauce) | 99 | does not apply | 156 | 63 | 3,4 |
| 7003801 | coconut milk | 99 | does not apply | 94 | 207 | 0,7 |
| 7004301 | mayonnaise (sauce) | 99 | does not apply | 156 | 43 | 3,4 |
| 7004701 | tomato paste | 99 | does not apply | 150 | 36 | 0,6 |
| 7004801 | tomato sauce | 99 | does not apply | 101 | 120 | 1,1 |
| 7004802 | ketchup | 99 | does not apply | 156 | 24 | 3,4 |
| 7004803 | catchup (ketchup) | 99 | does not apply | 156 | 24 | 3,4 |
| 7006101 | black pepper powder | 99 | does not apply | 33 | 184 | 5,0 |
| 7007101 | tucupi sauce (no pepper) | 99 | does not apply | 290 | 611 | 3,4 |
| 7007502 | cream cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7007701 | fish stock | 99 | does not apply | 236 | 25 | 15,7 |
| 7007901 | tomato stock | 99 | does not apply | 70 | 28 | 0,3 |
| 7009102 | sesame | 99 | does not apply | 194 | 685 | 0,8 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7010301 | sun-dried tomato | 99 | does not apply | 77 | 189 | 0,1 |
| 7010401 | light mayonnaise (sauce) | 99 | does not apply | 156 | 43 | 3,4 |
| 7010501 | light soy sauce | 99 | does not apply | 156 | 63 | 3,4 |
| 7010601 | light coconut milk | 99 | does not apply | 94 | 207 | 0,7 |
| 7079202 | vinaigrette | 99 | does not apply | 102 | 142 | 1,6 |
| | meat and offal | | | | | |
| 7100101 | filet mignon (tenderloin) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100101 | filet mignon (tenderloin) | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100101 | filet mignon (tenderloin) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100101 | filet mignon (tenderloin) | 5 | fried | 4463 | 3012 | 18,7 |
| 7100101 | filet mignon (tenderloin) | 6 | breaded | 3823 | 2601 | 16,2 |
| 7100101 | filet mignon (tenderloin) | 7 | braised | 4470 | 3012 | 18,7 |
| 7100101 | filet mignon (tenderloin) | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100101 | filet mignon (tenderloin) | 9 | white sauce | 3811 | 2564 | 16,0 |
| 7100101 | filet mignon (tenderloin) | 11 | with butter/oil | 4470 | 3012 | 18,7 |
| 7100101 | filet mignon (tenderloin) | 99 | does not apply | 4695 | 3148 | 19,5 |
| 7100201 | sirloin steak | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100201 | sirloin steak | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100201 | sirloin steak | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100201 | sirloin steak | 5 | fried | 4463 | 3012 | 18,7 |
| 7100201 | sirloin steak | 6 | breaded | 3823 | 2601 | 16,2 |
| 7100201 | sirloin steak | 7 | braised | 4470 | 3012 | 18,7 |
| 7100201 | sirloin steak | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100205 | beef chops | 1 | raw | 3273 | 2204 | 13,6 |
| 7100205 | beef chops | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100205 | beef chops | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100205 | beef chops | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100205 | beef chops | 5 | fried | 4463 | 3012 | 18,7 |
| 7100205 | beef chops | 6 | breaded | 3823 | 2601 | 16,2 |
| 7100205 | beef chops | 7 | braised | 4470 | 3012 | 18,7 |
| 7100205 | beef chops | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100301 | rump steak | 1 | raw | 3273 | 2204 | 13,6 |
| 7100301 | rump steak | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100301 | rump steak | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100301 | rump steak | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100301 | rump steak | 5 | fried | 4463 | 3012 | 18,7 |
| 7100301 | rump steak | 6 | breaded | 3823 | 2601 | 16,2 |
| | rump steak | 7 | braised | 4470 | 3012 | 18,7 |
| 7100301 | rump steak | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100301 | vinaigrette rump steak | 12 | vinaigrette | 3780 | 2547 | 15,9 |
| 7100301 | rump steak | 13 | stew | 2389 | 1599 | 10,0 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7100303 | rump skirt | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100303 | rump skirt | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100303 | rump skirt | 5 | fried | 4463 | 3012 | 18,7 |
| 7100303 | rump skirt | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100304 | picanha (rump cap) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100304 | picanha (rump cap) | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100304 | picanha (rump cap) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100304 | picanha (rump cap) | 5 | fried | 4463 | 3012 | 18,7 |
| 7100304 | picanha (rump cap) | 13 | stew | 2389 | 1599 | 10,0 |
| 7100501 | beef knuckle | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100501 | beef knuckle | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100501 | beef knuckle | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100501 | beef knuckle | 5 | fried | 4463 | 3012 | 18,7 |
| 7100501 | beef knuckle | 6 | breaded | 3823 | 2601 | 16,2 |
| 7100501 | beef knuckle | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100501 | beef knuckle | 13 | stew | 2389 | 1599 | 10,0 |
| 7100502 | loin head (beef) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100502 | loin head (beef) | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100502 | loin head (beef) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100502 | loin head (beef) | 5 | fried | 4463 | 3012 | 18,7 |
| 7100502 | loin head (beef) | 6 | breaded | 3823 | 2601 | 16,2 |
| 7100502 | loin head (beef) | 7 | braised | 4470 | 3012 | 18,7 |
| 7100604 | eyeround | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100604 | eyeround | 5 | fried | 4463 | 3012 | 18,7 |
| 7100604 | eyeround | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100606 | tatu (eyeround) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100606 | tatu (eyeround) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100606 | tatu (eyeround) | 7 | braised | 4470 | 3012 | 18,7 |
| 7100606 | tatu (eyeround) | 99 | does not apply | 4695 | 3148 | 19,5 |
| 7100607 | paulista (eyeround) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100607 | paulista (eyeround) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100608 | lombo paulista (eyeround) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100608 | lombo paulista (eyeround) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100608 | lombo paulista (eyeround)) | 5 | fried | 4463 | 3012 | 18,7 |
| 7100608 | lombo paulista (eyeround) | 13 | stew | 2389 | 1599 | 10,0 |
| 7100702 | outside flat | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100801 | chuck | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100801 | chuck | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100801 | chuck | 5 | fried | 4463 | 3012 | 18,7 |
| 7100801 | chuck | 6 | breaded | 3823 | 2601 | 16,2 |
| 7100801 | chuck | 7 | braised | 4470 | 3012 | 18,7 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7100801 | chuck | 13 | stew | 2389 | 1599 | 10,0 |
| 7100803 | agulha (chuck) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100803 | agulha (chuck) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7100803 | agulha (chuck) | 5 | fried | 4463 | 3012 | 18,7 |
| 7100905 | shoulder clod | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100905 | shoulder clod | 5 | fried | 4463 | 3012 | 18,7 |
| 7100905 | shoulder clod | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7100905 | shoulder clod | 13 | stew | 2389 | 1599 | 10,0 |
| 7100908 | bone-in shoulder clod | 2 | cooked | 4695 | 3148 | 19,5 |
| 7100908 | bone-in shoulder clod | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7100908 | bone-in shoulder clod | 4 | roasted | 4742 | 3148 | 19,5 |
| 7101001 | beef shin | 2 | cooked | 4695 | 3148 | 19,5 |
| 7101001 | beef shin | 4 | roasted | 4742 | 3148 | 19,5 |
| 7101001 | beef shin | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7101001 | beef shin | 13 | stew | 2389 | 1599 | 10,0 |
| 7101001 | beef shin | 15 | soup | 1916 | 1312 | 8,1 |
| 7101006 | beef shanks | 2 | cooked | 4695 | 3148 | 19,5 |
| 7101006 | beef shanks | 4 | roasted | 4742 | 3148 | 19,5 |
| 7101006 | beef shanks | 7 | braised | 4470 | 3012 | 18,7 |
| 7101009 | carne marica bovina (Brazilian beef cut) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7101009 | carne marica bovina (Brazilian beef cut) | 5 | fried | 4463 | 3012 | 18,7 |
| 7101009 | carne marica bovina (Brazilian beef cut) | 7 | braised | 4470 | 3012 | 18,7 |
| | beef thin flank | 2 | cooked | 4695 | 3148 | 19,5 |
| | beef thin flank | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| | beef thin flank | 5 | fried | 4463 | 3012 | 18,7 |
| | brisket | 2 | cooked | 4712 | 3160 | 19,6 |
| 7101101 | | 5 | fried | 4479 | 3023 | 18,8 |
| | flank steak | 2 | cooked | 4712 | 3160 | 19,6 |
| | flank steak | 3 | grilled or barbecue | 4693 | 3160 | 19,6 |
| | flank steak | 4 | roasted | 4759 | 3160 | 19,6 |
| | flank steak | 5 | fried | 4479 | 3023 | 18,8 |
| 7101203 | outside skirt steak | 1 | raw | 3285 | 2212 | 13,7 |
| 7101203 | outside skirt steak | 3 | grilled or barbecue | 4693 | 3160 | 19,6 |
| 7101203 | outside skirt steak | 5 | fried | 4479 | 3023 | 18,8 |
| | beef ribs | 2 | cooked | 4896 | 3284 | 20,3 |
| | beef ribs | 4 | roasted | 4943 | 3284 | 20,3 |
| 7101301 | | 7 | braised | 4661 | 3141 | 19,5 |
| 7101301 | | 13 | stew | 2489 | 1667 | 10,4 |
| | jacaré (bone-in choice beef) | 2 | cooked | 4695 | 3148 | 19,5 |
| | jacaré (bone-in choice beef) | 4 | roasted | 4742 | 3148 | 19,5 |
| /101704 | jacaré (bone-in choice beef) | 5 | fried | 4463 | 3012 | 18,7 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7101706 | choice beef steak | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7101706 | choice beef steak | 4 | roasted | 4742 | 3148 | 19,5 |
| 7101706 | choice beef steak | 5 | fried | 4463 | 3012 | 18,7 |
| 7101706 | choice beef steak | 6 | breaded | 3823 | 2601 | 16,2 |
| 7101706 | choice beef steak | 10 | garlic and oil | 3773 | 2594 | 16,0 |
| 7101801 | beef offal | 2 | cooked | 1184 | 160 | 9,2 |
| 7101801 | beef offal | 5 | fried | 1128 | 174 | 8,9 |
| 7101806 | panelada (unspecified offal) | 2 | cooked | 1184 | 160 | 9,2 |
| 7101806 | panelada (unspecified offal) | 13 | stew | 864 | 325 | 5,1 |
| 7101901 | beef heart | 2 | cooked | 1440 | 195 | 11,2 |
| 7101901 | beef heart | 3 | grilled or barbecue | 1421 | 195 | 11,2 |
| 7101901 | beef heart | 4 | roasted | 1487 | 195 | 11,2 |
| 7101901 | beef heart | 5 | fried | 1371 | 207 | 10,8 |
| 7102001 | beef kidney | 2 | cooked | 1184 | 160 | 9,2 |
| 7102102 | beef lungs | 4 | roasted | 1231 | 160 | 9,2 |
| 7102102 | beef lungs | 5 | fried | 1128 | 174 | 8,9 |
| 7102102 | beef lungs | 7 | braised | 1135 | 174 | 8,9 |
| 7102201 | beef brain | 2 | cooked | 1184 | 160 | 9,2 |
| 7102401 | beef tripe | 2 | cooked | 1184 | 160 | 9,2 |
| 7102401 | beef tripe | 3 | grilled or barbecue | 1165 | 160 | 9,2 |
| 7102401 | beef tripe | 4 | roasted | 1231 | 160 | 9,2 |
| 7102401 | beef tripe | 5 | fried | 1128 | 174 | 8,9 |
| 7102402 | fresh beef tripe | 2 | cooked | 1184 | 160 | 9,2 |
| 7102402 | fresh beef tripe | 4 | roasted | 1231 | 160 | 9,2 |
| 7102402 | fresh beef tripe | 8 | red sauce | 988 | 153 | 7,6 |
| 7102402 | fresh beef tripe | 13 | stew | 633 | 106 | 4,8 |
| 7102402 | fresh beef tripe | 99 | does not apply | 1184 | 160 | 9,2 |
| 7102403 | beef stomach (tripes) | 2 | cooked | 1184 | 160 | 9,2 |
| 7102403 | beef stomach (tripes) | 5 | fried | 1128 | 174 | 8,9 |
| 7102404 | goat stomach | 2 | cooked | 1184 | 160 | 9,2 |
| 7102501 | beef liver | 1 | raw | 1010 | 139 | 8,0 |
| 7102501 | beef liver | 2 | cooked | 1184 | 160 | 9,2 |
| 7102501 | beef liver | 3 | grilled or barbecue | 1165 | 160 | 9,2 |
| 7102501 | beef liver | 4 | roasted | 1231 | 160 | 9,2 |
| 7102501 | beef liver | 5 | fried | 1128 | 174 | 8,9 |
| 7102501 | beef liver | 6 | breaded | 1015 | 211 | 8,0 |
| 7102501 | beef liver | 7 | braised | 1135 | 174 | 8,9 |
| 7102501 | beef liver | 8 | red sauce | 988 | 153 | 7,6 |
| 7102501 | beef liver | 10 | garlic and oil | 964 | 204 | 7,8 |
| 7102501 | beef liver | 13 | stew | 633 | 106 | 4,8 |
| 7102601 | beef liver | 3 | grilled or barbecue | 4693 | 3160 | 19,6 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7102601 | beef liver | 4 | roasted | 4759 | 3160 | 19,6 |
| 7102601 | beef liver | 5 | fried | 4479 | 3023 | 18,8 |
| 7102701 | beef tongue | 2 | cooked | 1440 | 195 | 11,2 |
| 7102701 | beef tongue | 3 | grilled or barbecue | 1421 | 195 | 11,2 |
| 7102701 | beef tongue | 4 | roasted | 1487 | 195 | 11,2 |
| 7102701 | beef tongue | 5 | fried | 1371 | 207 | 10,8 |
| 7102701 | beef tongue | 8 | red sauce | 1192 | 181 | 9,2 |
| 7102701 | beef tongue | 13 | stew | 761 | 123 | 5,8 |
| 7102801 | oxtail | 99 | does not apply | 4486 | 3023 | 18,8 |
| 7103101 | cow's foot | 2 | cooked | 1462 | 198 | 11,4 |
| 7103101 | cow's foot | 13 | stew | 772 | 125 | 5,9 |
| 7103101 | cow's foot | 15 | soup | 1103 | 170 | 8,7 |
| 7103101 | cow's foot | 99 | does not apply | 1462 | 198 | 11,4 |
| 7103104 | beef shank | 5 | fried | 3677 | 2483 | 15,4 |
| 7103105 | beef fore shank | 2 | cooked | 1462 | 198 | 11,4 |
| 7103301 | loin chops | 2 | cooked | 697 | 1272 | 5,9 |
| 7103301 | loin chops | 3 | grilled or barbecue | 678 | 1272 | 5,9 |
| 7103301 | loin chops | 4 | roasted | 744 | 1272 | 5,9 |
| 7103301 | loin chops | 5 | fried | 666 | 1230 | 5,8 |
| 7103305 | pork chops | 2 | cooked | 697 | 1272 | 5,9 |
| 7103305 | pork chops | 3 | grilled or barbecue | 678 | 1272 | 5,9 |
| 7103305 | pork chops | 4 | roasted | 744 | 1272 | 5,9 |
| 7103305 | pork chops | 5 | fried | 666 | 1230 | 5,8 |
| 7103305 | pork chops | 6 | breaded | 625 | 1100 | 5,4 |
| | pork chops | 7 | braised | 672 | 1230 | 5,8 |
| 7103305 | pork chops | 99 | does not apply | 697 | 1272 | 5,9 |
| 7103401 | | 2 | cooked | 697 | 1272 | 5,9 |
| 7103401 | pork leg | 4 | roasted | 744 | 1272 | 5,9 |
| 7103401 | pork leg | 5 | fried | 666 | 1230 | 5,8 |
| 7103401 | pork leg | 7 | braised | 672 | 1230 | 5,8 |
| | pork hips | 2 | cooked | 697 | 1272 | 5,9 |
| 7103501 | pork ribs | 1 | raw | 464 | 869 | 4,0 |
| 7103501 | pork ribs | 2 | cooked | 697 | 1272 | 5,9 |
| 7103501 | pork ribs | 3 | grilled or barbecue | 678 | 1272 | 5,9 |
| 7103501 | pork ribs | 4 | roasted | 744 | 1272 | 5,9 |
| 7103501 | pork ribs | 5 | fried | 666 | 1230 | 5,8 |
| 7103501 | pork ribs | 7 | braised | 672 | 1230 | 5,8 |
| 7103501 | pork ribs | 8 | red sauce | 598 | 1042 | 4,9 |
| 7103501 | pork ribs | 13 | stew | 390 | 661 | 3,2 |
| 7103501 | pork ribs | 99 | does not apply | 697 | 1272 | 5,9 |
| 7103701 | pork loin | 2 | cooked | 734 | 1099 | 5,1 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7103701 | pork loin | 3 | grilled or barbecue | 715 | 1099 | 5,1 |
| 7103701 | pork loin | 4 | roasted | 781 | 1099 | 5,1 |
| 7103701 | pork loin | 5 | fried | 700 | 1065 | 5,0 |
| 7103801 | bacon | 99 | does not apply | 1039 | 736 | 1,9 |
| 7103903 | pork offal | 2 | cooked | 357 | 160 | 9,2 |
| 7103906 | arrasto suíno (Brazilian pork cut) | 99 | does not apply | 357 | 160 | 9,2 |
| 7103907 | fresh pork sarapatel | 99 | does not apply | 357 | 160 | 9,2 |
| 7104101 | pork | 1 | raw | 461 | 869 | 4,0 |
| 7104101 | pork | 2 | cooked | 694 | 1272 | 5,9 |
| 7104101 | pork | 3 | grilled or barbecue | 675 | 1272 | 5,9 |
| 7104101 | pork | 4 | roasted | 741 | 1272 | 5,9 |
| 7104101 | pork | 5 | fried | 662 | 1230 | 5,8 |
| 7104101 | pork | 6 | breaded | 622 | 1100 | 5,4 |
| 7104101 | pork | 7 | braised | 668 | 1230 | 5,8 |
| 7104101 | pork | 8 | red sauce | 595 | 1042 | 4,9 |
| 7104101 | pork | 10 | garlic and oil | 572 | 1093 | 5,1 |
| 7104101 | pork | 13 | stew | 388 | 661 | 3,2 |
| 7104101 | pork | 99 | does not apply | 694 | 1272 | 5,9 |
| 7104301 | ground beef | 1 | raw | 3118 | 2099 | 13,0 |
| 7104301 | ground beef | 2 | cooked | 4473 | 2999 | 18,6 |
| 7104301 | ground beef | 4 | roasted | 4520 | 2999 | 18,6 |
| 7104301 | ground beef | 5 | fried | 4252 | 2870 | 17,8 |
| 7104301 | ground beef | 6 | breaded | 3646 | 2482 | 15,5 |
| 7104301 | ground beef | 7 | braised | 4259 | 2870 | 17,8 |
| 7104301 | ground beef | 8 | red sauce | 3619 | 2424 | 15,1 |
| 7104301 | ground beef | 9 | white sauce | 3633 | 2444 | 15,2 |
| 7104301 | ground beef | 10 | garlic and oil | 3595 | 2475 | 15,2 |
| 7104301 | ground beef | 13 | stew | 2278 | 1525 | 9,5 |
| 7104301 | ground beef | 15 | soup | 1827 | 1252 | 7,8 |
| 7104301 | ground beef | 99 | does not apply | 4473 | 2999 | 18,6 |
| 7104302 | ragout | 99 | does not apply | 1936 | 1331 | 8,3 |
| 7104501 | pork tripes | 3 | grilled or barbecue | 338 | 160 | 9,2 |
| 7104501 | pork tripes | 5 | fried | 342 | 174 | 8,9 |
| 7104601 | pork liver | 2 | cooked | 357 | 160 | 9,2 |
| 7104601 | pork liver | 4 | roasted | 403 | 160 | 9,2 |
| 7104601 | pork liver | 5 | fried | 342 | 174 | 8,9 |
| 7104701 | pork tongue | 2 | cooked | 414 | 187 | 10,8 |
| 7104701 | pork tongue | 3 | grilled or barbecue | 395 | 187 | 10,8 |
| 7104701 | pork tongue | 4 | roasted | 461 | 187 | 10,8 |
| 7104701 | pork tongue | 5 | fried | 396 | 200 | 10,4 |
| 7104701 | pork tongue | 7 | braised | 403 | 200 | 10,4 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-------|-------|-------|
| 7105001 | pork tongue | 2 | cooked | 520 | 238 | 13,6 |
| 7105103 | sarrabulho (pork and goat offal stew) | 99 | does not apply | 1568 | 778 | 8,2 |
| 7105203 | pig's trotter | 2 | cooked | 29250 | 13888 | 797,1 |
| 7105401 | goatling meat | 2 | cooked | 2171 | 1167 | 11,7 |
| 7105401 | goatling meat | 3 | grilled or barbecue | 2152 | 1167 | 11,7 |
| 7105401 | goatling meat | 4 | roasted | 2218 | 1167 | 11,7 |
| 7105402 | goat meat | 2 | cooked | 2171 | 1167 | 11,7 |
| 7105402 | goat meat | 3 | grilled or barbecue | 2152 | 1167 | 11,7 |
| 7105402 | goat meat | 4 | roasted | 2218 | 1167 | 11,7 |
| 7105402 | goat meat | 5 | fried | 2066 | 1130 | 11,3 |
| 7105403 | chevon (goat meat) | 2 | cooked | 2171 | 1167 | 11,7 |
| 7105403 | chevon (goat meat) | 4 | roasted | 2218 | 1167 | 11,7 |
| 7105403 | chevon (goat meat) | 5 | fried | 2066 | 1130 | 11,3 |
| 7105403 | chevon (goat meat) | 13 | stew | 1127 | 609 | 6,1 |
| 7105405 | caprine meat (goat or sheep meat) | 1 | raw | 1679 | 911 | 9,1 |
| 7105405 | caprine meat (goat or sheep meat) | 2 | cooked | 2171 | 1167 | 11,7 |
| 7105405 | caprine meat (goat or sheep meat) | 5 | fried | 2066 | 1130 | 11,3 |
| 7105601 | mutton | 2 | cooked | 2171 | 1167 | 11,7 |
| 7105601 | mutton | 3 | grilled or barbecue | 2152 | 1167 | 11,7 |
| 7105601 | mutton | 4 | roasted | 2218 | 1167 | 11,7 |
| 7105601 | mutton | 5 | fried | 2066 | 1130 | 11,3 |
| 7105601 | mutton | 13 | stew | 1127 | 609 | 6,1 |
| 7105602 | lamb | 2 | cooked | 2171 | 1167 | 11,7 |
| 7105602 | lamb | 3 | grilled or barbecue | 2152 | 1167 | 11,7 |
| 7105602 | lamb | 4 | roasted | 2218 | 1167 | 11,7 |
| 7105602 | lamb | 5 | fried | 2066 | 1130 | 11,3 |
| 7105801 | goat's foot | 2 | cooked | 1443 | 198 | 11,4 |
| 7106301 | pork leg | 2 | cooked | 697 | 1272 | 5,9 |
| 7106301 | pork leg | 3 | grilled or barbecue | 678 | 1272 | 5,9 |
| 7106301 | pork leg | 4 | roasted | 744 | 1272 | 5,9 |
| 7106301 | pork leg | 5 | fried | 666 | 1230 | 5,8 |
| 7106401 | beef eyeround | 2 | cooked | 3867 | 2591 | 16,0 |
| 7106401 | beef eyeround | 4 | roasted | 3914 | 2591 | 16,0 |
| 7106401 | beef eyeround | 5 | fried | 3677 | 2483 | 15,4 |
| 7106401 | beef eyeround | 7 | braised | 3683 | 2483 | 15,4 |
| 7106401 | beef eyeround | 8 | red sauce | 3134 | 2097 | 13,0 |
| 7106501 | pork rump steak | 2 | cooked | 697 | 1272 | 5,9 |
| 7106501 | pork rump steak | 4 | roasted | 744 | 1272 | 5,9 |
| 7106501 | pork rump steak | 5 | fried | 666 | 1230 | 5,8 |
| 7107102 | braciole | 99 | does not apply | 2981 | 2019 | 12,5 |
| 7107103 | beef roulade | 99 | does not apply | 2981 | 2019 | 12,5 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7107204 | goat intestines | 99 | does not apply | 651 | 131 | 4,9 |
| 7107501 | suã suína (bone-in pork loin) | 2 | cooked | 520 | 238 | 6,0 |
| 7107501 | suã suína (bone-in pork loin) | 5 | fried | 497 | 247 | 5,9 |
| 7107601 | meat of other animals | 1 | raw | 404 | 1223 | 9,7 |
| 7107601 | meat of other animals | 2 | cooked | 530 | 1568 | 12,4 |
| 7107601 | meat of other animals | 3 | grilled or barbecue | 517 | 1568 | 12,4 |
| 7107601 | meat of other animals | 4 | roasted | 583 | 1568 | 12,4 |
| 7107601 | meat of other animals | 5 | fried | 513 | 1511 | 12,0 |
| 7107601 | meat of other animals | 7 | braised | 513 | 1511 | 12,0 |
| 7107601 | meat of other animals | 8 | braised | 463 | 1279 | 10,1 |
| 7107601 | meat of other animals | 13 | stew | 303 | 809 | 6,4 |
| 7107601 | meat of other animals | 99 | does not apply | 530 | 1568 | 12,4 |
| 7107603 | paca meat | 2 | cooked | 530 | 1568 | 12,4 |
| 7107603 | paca meat | 4 | roasted | 583 | 1568 | 12,4 |
| 7107603 | paca meat | 5 | fried | 513 | 1511 | 12,0 |
| 7107611 | alligator meat | 2 | cooked | 530 | 1568 | 12,4 |
| 7107611 | alligator meat | 5 | fried | 513 | 1511 | 12,0 |
| 7107615 | capybara meat | 2 | cooked | 530 | 1568 | 12,4 |
| 7107615 | capybara meat | 4 | roasted | 583 | 1568 | 12,4 |
| 7107615 | capybara meat | 5 | fried | 513 | 1511 | 12,0 |
| 7107617 | agouti meat | 2 | cooked | 530 | 1568 | 12,4 |
| 7107617 | agouti meat | 4 | roasted | 583 | 1568 | 12,4 |
| 7107622 | jabuti meat (tortoise) | 2 | cooked | 530 | 1568 | 12,4 |
| 7107801 | prime beef | 2 | cooked | 4695 | 3148 | 19,5 |
| 7107801 | prime beef | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7107801 | prime beef | 4 | roasted | 4742 | 3148 | 19,5 |
| 7107801 | prime beef | 5 | fried | 4463 | 3012 | 18,7 |
| 7107801 | prime beef | 6 | breaded | 3823 | 2601 | 16,2 |
| 7107801 | prime beef | 7 | braised | 4470 | 3012 | 18,7 |
| 7107801 | prime beef | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7107801 | prime beef | 9 | white sauce | 3811 | 2564 | 16,0 |
| 7107801 | prime beef | 11 | with butter/oil | 4470 | 3012 | 18,7 |
| 7107804 | rib steak | 2 | cooked | 4695 | 3148 | 19,5 |
| 7107804 | rib steak | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7107804 | rib steak | 4 | roasted | 4742 | 3148 | 19,5 |
| 7107804 | rib steak | 5 | fried | 4463 | 3012 | 18,7 |
| 7107805 | steak (unspecified) | 1 | raw | 3273 | 2204 | 13,6 |
| 7107805 | steak (unspecified) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7107805 | steak (unspecified) | 3 | grilled or barbecue | 4676 | 3148 | 19,5 |
| 7107805 | steak (unspecified) | 4 | roasted | 4742 | 3148 | 19,5 |
| 7107805 | steak (unspecified) | 5 | fried | 4463 | 3012 | 18,7 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7107805 | steak (unspecified) | 6 | breaded | 3823 | 2601 | 16,2 |
| 7107805 | steak (unspecified) | 7 | braised | 4470 | 3012 | 18,7 |
| 7107805 | steak (unspecified) | 8 | red sauce | 3796 | 2543 | 15,8 |
| 7107805 | steak (unspecified) | 11 | with butter/oil | 4470 | 3012 | 18,7 |
| 7107805 | steak (unspecified) | 13 | stew | 2389 | 1599 | 10,0 |
| 7107805 | steak (unspecified) | 99 | does not apply | 4695 | 3148 | 19,5 |
| 7108107 | goat offal | 2 | cooked | 1184 | 160 | 9,2 |
| 7108301 | fresh pig's trotter | 2 | cooked | 520 | 238 | 13,6 |
| 7108301 | fresh pig's trotter | 3 | grilled or barbecue | 501 | 238 | 13,6 |
| 7108301 | fresh pig's trotter | 5 | fried | 497 | 247 | 13,2 |
| 7109101 | beef | 1 | raw | 3273 | 2204 | 13,6 |
| 7109101 | beef | 2 | cooked | 4215 | 2825 | 17,5 |
| 7109101 | beef | 3 | grilled or barbecue | 4196 | 2825 | 17,5 |
| 7109101 | beef | 4 | roasted | 4262 | 2825 | 17,5 |
| 7109101 | beef | 5 | fried | 4008 | 2705 | 16,8 |
| 7109101 | beef | 6 | breaded | 3440 | 2343 | 14,6 |
| 7109101 | beef | 7 | braised | 4014 | 2705 | 16,8 |
| 7109101 | beef | 8 | red sauce | 3412 | 2285 | 14,2 |
| 7109101 | beef | 9 | white sauce | 3427 | 2305 | 14,4 |
| 7109101 | beef | 10 | garlic and oil | 3389 | 2336 | 14,4 |
| 7109101 | beef | 11 | with butter/oil | 4014 | 2705 | 16,8 |
| 7109101 | beef | 12 | vinaigrette | 3396 | 2289 | 14,3 |
| 7109101 | beef | 13 | stew | 2149 | 1438 | 9,0 |
| 7109101 | beef | 15 | soup | 1724 | 1183 | 7,3 |
| 7109101 | beef | 99 | does not apply | 4215 | 2825 | 17,5 |
| 7110601 | loin (unspecified) | 1 | raw | 401 | 751 | 3,5 |
| 7110601 | loin (unspecified) | 2 | cooked | 605 | 1099 | 5,1 |
| 7110601 | loin (unspecified) | 4 | roasted | 652 | 1099 | 5,1 |
| 7110601 | loin (unspecified) | 5 | fried | 578 | 1065 | 5,0 |
| 7110601 | loin (unspecified) | 9 | white sauce | 539 | 924 | 4,5 |
| 7110801 | shin (unspecified) | 2 | cooked | 4695 | 3148 | 19,5 |
| 7110801 | shin (unspecified) | 13 | stew | 2389 | 1599 | 10,0 |
| 7110902 | bone-in meat (unspecified) | 2 | cooked | 4630 | 3104 | 19,2 |
| 7110902 | bone-in meat (unspecified) | 7 | braised | 4408 | 2970 | 18,4 |
| 7110902 | bone-in meat (unspecified) | 15 | soup | 3479 | 2350 | 14,6 |
| 7110902 | bone-in meat (unspecified) | 99 | does not apply | 4630 | 3104 | 19,2 |
| 7111202 | choice beef | 1 | raw | 3273 | 2204 | 13,6 |
| 7111202 | choice beef | 2 | cooked | 4215 | 2825 | 17,5 |
| 7111202 | choice beef | 3 | grilled or barbecue | 4196 | 2825 | 17,5 |
| 7111202 | choice beef | 4 | roasted | 4262 | 2825 | 17,5 |
| 7111202 | choice beef | 5 | fried | 4008 | 2705 | 16,8 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7111202 | choice beef | 6 | breaded | 3440 | 2343 | 14,6 |
| 7111202 | choice beef | 7 | braised | 4014 | 2705 | 16,8 |
| 7111202 | choice beef | 8 | red sauce | 3412 | 2285 | 14,2 |
| 7111202 | choice beef | 10 | garlic and oil | 3389 | 2336 | 14,4 |
| 7111202 | choice beef | 13 | stew | 2149 | 1438 | 9,0 |
| 7111401 | organic sirloin steak | 4 | roasted | 4742 | 3148 | 19,5 |
| 7111405 | organic chops | 4 | roasted | 4742 | 3148 | 19,5 |
| 7111405 | organic chops | 5 | fried | 4463 | 3012 | 18,7 |
| 7111702 | organic loin head (beef) | 1 | raw | 487 | 912 | 4,2 |
| 7111702 | organic loin head (beef) | 4 | roasted | 761 | 1303 | 6,1 |
| 7111702 | organic loin head (beef) | 5 | fried | 682 | 1260 | 5,9 |
| 7111806 | organic tatu (eyeround) | 4 | roasted | 4742 | 3148 | 19,5 |
| | fish and seafood | | | | | |
| 7200101 | ocean fish (whole, in slices etc.) | 1 | raw | 530 | 0 | 27,1 |
| 7200101 | ocean fish (whole, in slices etc.) | 2 | cooked | 634 | 0 | 31,7 |
| 7200101 | ocean fish (whole, in slices etc.) | 3 | grilled or barbecue | 621 | 0 | 31,7 |
| 7200101 | ocean fish (whole, in slices etc.) | 4 | roasted | 649 | 0 | 31,7 |
| 7200101 | ocean fish (whole, in slices etc.) | 5 | fried | 605 | 21 | 30,3 |
| 7200101 | ocean fish (whole, in slices etc.) | 6 | breaded | 573 | 83 | 26,0 |
| 7200101 | ocean fish (whole, in slices etc.) | 8 | red sauce | 549 | 25 | 25,6 |
| 7200101 | ocean fish (whole, in slices etc.) | 9 | white sauce | 564 | 45 | 25,8 |
| 7200101 | ocean fish (whole, in slices etc.) | 13 | stew | 358 | 25 | 16,1 |
| 7200401 | saltwater fish (whole, in slices etc.) | 2 | cooked | 602 | 0 | 29,2 |
| 7200401 | saltwater fish (whole, in slices etc.) | 3 | grilled or barbecue | 590 | 0 | 29,2 |
| 7200401 | saltwater fish (whole, in slices etc.) | 4 | roasted | 624 | 0 | 29,2 |
| 7200401 | saltwater fish (whole, in slices etc.) | 5 | fried | 605 | 21 | 30,3 |
| 7200401 | saltwater fish (whole, in slices etc.) | 6 | breaded | 573 | 83 | 26,0 |
| 7200401 | saltwater fish (whole, in slices etc.) | 9 | white sauce | 536 | 45 | 23,7 |
| 7200401 | saltwater fish (whole, in slices etc.) | 13 | stew | 339 | 25 | 14,8 |
| 7260101 | shrimp | 1 | raw | 2881 | 0 | 29,0 |
| 7260101 | shrimp | 2 | cooked | 5695 | 0 | 57,3 |
| 7260101 | shrimp | 3 | grilled or barbecue | 5686 | 0 | 57,3 |
| 7260101 | shrimp | 4 | roasted | 5708 | 0 | 57,3 |
| 7260101 | shrimp | 5 | fried | 5416 | 21 | 54,6 |
| 7260101 | shrimp | 6 | breaded | 4615 | 83 | 46,5 |
| 7260101 | shrimp | 7 | braised | 5420 | 21 | 54,6 |
| 7260101 | shrimp | 8 | red sauce | 4594 | 25 | 46,0 |
| 7260101 | shrimp | 9 | white sauce | 4609 | 45 | 46,2 |
| 7260101 | shrimp with oil and garlic | 10 | garlic and oil | 4578 | 76 | 46,2 |
| 7260101 | shrimp | 13 | stew | 2884 | 25 | 28,8 |
| 7260101 | shrimp | 99 | does not apply | 5695 | 0 | 57,3 |

| Cod_POF | Foods and culinary preparations description | ons Code | Preparation description | CF | WF | EF |
|---------|---------------------------------------------|---------------|-------------------------|------|------|------|
| 7261101 | soft-shell crab | 2 | cooked | 1742 | 0 | 57,3 |
| 7261101 | soft-shell crab | 6 | breaded | 1453 | 83 | 46,5 |
| 7261101 | soft-shell crab | 7 | braised | 1664 | 21 | 54,6 |
| 7261120 | baú (crab) | 2 | cooked | 1742 | 0 | 57,3 |
| 7261121 | goiá (crab) | 1 | raw | 2480 | 0 | 29,0 |
| 7262101 | crab | 2 | cooked | 1742 | 0 | 57,3 |
| 7262101 | crab | 4 | roasted | 1754 | 0 | 57,3 |
| 7262101 | crab | 12 | vinaigrette | 1413 | 28 | 46,1 |
| 7262105 | guaiamu (blue land crab) | 2 | cooked | 4905 | 0 | 57,3 |
| 7263101 | mussels | 2 | cooked | 1274 | 0 | 57,3 |
| 7263101 | mussels | 5 | fried | 1216 | 21 | 54,6 |
| 7263101 | mussels | 8 | red sauce | 1057 | 25 | 46,0 |
| 7263101 | mussels | 99 | does not apply | 1274 | 0 | 57,3 |
| 7264101 | oyster | 2 | cooked | 1274 | 0 | 57,3 |
| 7265101 | squid | 6 | breaded | 1576 | 83 | 46,5 |
| 7266101 | charru mussel | 2 | cooked | 1540 | 0 | 57,3 |
| 7266101 | charru mussel | 13 | stew | 807 | 25 | 28,8 |
| 7270401 | codfish | 2 | cooked | 382 | 0 | 27,0 |
| 7270401 | codfish | 4 | roasted | 404 | 0 | 27,0 |
| 7270401 | codfish | 5 | fried | 376 | 21 | 25,9 |
| 7270401 | codfish | 6 | breaded | 372 | 83 | 22,2 |
| 7270401 | codfish | 7 | braised | 372 | 21 | 25,9 |
| 7270401 | codfish | 8 | red sauce | 345 | 25 | 21,8 |
| 7270401 | codfish | 13 | stew | 229 | 25 | 13,7 |
| 7270401 | codfish | 99 | does not apply | 404 | 0 | 27,0 |
| 7273101 | fish eggs (any species) | 4 | roasted | 609 | 1280 | 5,2 |
| 7273101 | fish eggs (any species) | 5 | fried | 572 | 1237 | 5,1 |
| | freshwater fish (whole, in slices etc.) | 1 | raw | 396 | 0 | 33,1 |
| 7400101 | freshwater fish (whole, in slices etc.) | 2 | cooked | 477 | 0 | 38,7 |
| 7400101 | freshwater fish (whole, in slices etc.) | 3 | grilled or barbecue | 464 | 0 | 38,7 |
| 7400101 | freshwater fish (whole, in slices etc.) | 4 | roasted | 491 | 0 | 38,7 |
| 7400101 | freshwater fish (whole, in slices etc.) | 5 | fried | 455 | 21 | 37,0 |
| 7400101 | freshwater fish (whole, in slices etc.) | 6 | breaded | 447 | 83 | 31,6 |
| 7400101 | freshwater fish (whole, in slices etc.) | 7 | braised | 465 | 21 | 37,0 |
| 7400101 | freshwater fish (whole, in slices etc.) | 8 | red sauce | 423 | 25 | 31,2 |
| 7400101 | freshwater fish (whole, in slices etc.) | 9 | white sauce | 438 | 45 | 31,4 |
| 7400101 | freshwater fish (whole, in slices etc.) | 13 | stew | 279 | 25 | 19,6 |
| 7400101 | freshwater fish (whole, in slices etc.) | 99 | does not apply | 464 | 0 | 38,7 |
| 7400401 | freshwater fish (whole, in slices etc.) | 2 | cooked | 411 | 0 | 29,2 |
| 7400401 | freshwater fish (whole, in slices etc.) | 3 | grilled or barbecue | 399 | 0 | 29,2 |
| 7400401 | freshwater fish (whole, in slices etc.) | 4 Cantinus | roasted | 433 | 0 | 29,2 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|------------------------------------------------|------|-------------------------|------|------|------|
| 7400401 | freshwater fish (whole, in slices etc.) | 5 | fried | 403 | 21 | 27,9 |
| 7400401 | freshwater fish (whole, in slices etc.) | 6 | breaded | 395 | 83 | 23,9 |
| 7400401 | freshwater fish (whole, in slices etc.) | 8 | red sauce | 368 | 25 | 23,5 |
| 7400401 | freshwater fish (whole, in slices etc.) | 13 | stew | 244 | 25 | 14,8 |
| 7444101 | tracajá (yellow-spotted river turtle) | 2 | cooked | 704 | 0 | 34,3 |
| 7600101 | unspecified fish (whole, in slices etc.) | 1 | raw | 490 | 0 | 15,6 |
| 7600101 | unspecified fish (whole, in slices etc.) | 2 | cooked | 587 | 0 | 18,3 |
| 7600101 | unspecified fish (whole, in slices etc.) | 3 | grilled or barbecue | 574 | 0 | 18,3 |
| 7600101 | unspecified fish (whole, in slices etc.) | 4 | roasted | 601 | 0 | 18,3 |
| 7600101 | unspecified fish (whole, in slices etc.) | 5 | fried | 560 | 21 | 17,6 |
| 7600101 | unspecified fish (whole, in slices etc.) | 6 | breaded | 536 | 83 | 15,2 |
| 7600101 | unspecified fish (whole, in slices etc.) | 7 | braised | 570 | 21 | 17,6 |
| 7600101 | unspecified fish (whole, in slices etc.) | 8 | red sauce | 511 | 25 | 14,8 |
| 7600101 | unspecified fish (whole, in slices etc.) | 9 | white sauce | 526 | 45 | 15,0 |
| 7600101 | unspecified fish (whole, in slices etc.) | 13 | stew | 334 | 25 | 9,3 |
| 7600401 | unspecified salty fish (whole, in slices etc.) | 2 | cooked | 411 | 0 | 29,2 |
| 7600401 | unspecified salty fish (whole, in slices etc.) | 3 | grilled or barbecue | 399 | 0 | 29,2 |
| 7600401 | unspecified salty fish (whole, in slices etc.) | 4 | roasted | 433 | 0 | 29,2 |
| 7600401 | unspecified salty fish (whole, in slices etc.) | 5 | fried | 403 | 21 | 27,9 |
| 7600401 | unspecified salty fish (whole, in slices etc.) | 6 | breaded | 395 | 83 | 23,9 |
| | canned and preserved foods | | | | | |
| 7700101 | olive | 99 | does not apply | 110 | 1356 | 1,0 |
| 7700201 | canned peas | 99 | does not apply | 176 | 127 | 0,5 |
| 7700202 | petit pois | 99 | does not apply | 176 | 127 | 0,5 |
| 7700401 | canned corn | 99 | does not apply | 247 | 178 | 0,7 |
| 7700501 | canned heart of palm | 99 | does not apply | 82 | 522 | 0,6 |
| 7700601 | canned mushrooms | 99 | does not apply | 338 | 127 | 0,1 |
| | canned champignons | 99 | does not apply | 338 | 127 | 0,1 |
| 7700701 | pickled asparagus | 99 | does not apply | 62 | 261 | 0,6 |
| 7700901 | | 99 | does not apply | 89 | 564 | 0,6 |
| | sauerkraut | 99 | does not apply | 89 | 564 | 0,6 |
| | pickled unspecified vegetable | 99 | does not apply | 160 | 513 | 0,6 |
| | onion soup (dehydrated soup) | 99 | does not apply | 50 | 102 | 0,6 |
| | vegetable soup (dehydrated soup) | 99 | does not apply | 48 | 102 | 0,6 |
| 7701406 | | 99 | does not apply | 924 | 642 | 4,1 |
| 7701501 | canned corn and peas | 1 | raw | 173 | 125 | 0,5 |
| 7701501 | 1 | 2 | cooked | 173 | 125 | 0,5 |
| 7701501 | canned corn and peas | 5 | fried | 182 | 140 | 0,7 |
| 7701501 | canned corn and peas | 99 | does not apply | 173 | 125 | 0,5 |
| 7701901 | feijoada (Brazilian beans and pork dish) | 99 | does not apply | 1450 | 1291 | 2,9 |
| 7702001 | pickled beans and tripes | 99 | does not apply | 530 | 1280 | 5,2 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|------|
| 7702101 | cozido (Brazilian stew) | 99 | does not apply | 1482 | 1056 | 6,1 |
| 7702302 | corned beef paste | 99 | does not apply | 530 | 1280 | 5,2 |
| 7702402 | corned ham paste | 99 | does not apply | 530 | 1280 | 5,2 |
| 7702502 | corned chicken paste | 99 | does not apply | 530 | 1280 | 5,2 |
| 7702601 | corned beef | 99 | does not apply | 1859 | 1641 | 6,7 |
| 7702602 | meatball | 99 | does not apply | 3473 | 2325 | 14,4 |
| 7702603 | beef ham | 99 | does not apply | 1859 | 1641 | 6,7 |
| 7702604 | pickled meatball with sauce | 99 | does not apply | 679 | 1641 | 6,7 |
| 7702704 | pork ham | 99 | does not apply | 2122 | 1873 | 7,6 |
| 7702705 | presuntada (ham) | 99 | does not apply | 776 | 1873 | 7,6 |
| 7702707 | fiambre (ham) | 1 | raw | 1450 | 1280 | 5,2 |
| 7702707 | fiambre (ham) | 2 | cooked | 2135 | 1873 | 7,6 |
| 7702707 | fiambre (ham) | 4 | roasted | 2155 | 1873 | 7,6 |
| 7702707 | fiambre (ham) | 5 | fried | 2037 | 1801 | 7,4 |
| 7702801 | pickled sausage | 99 | does not apply | 1455 | 1280 | 5,2 |
| 7703002 | pickled sardines | 99 | does not apply | 410 | 1500 | 6,1 |
| 7703402 | pickled tuna | 99 | does not apply | 488 | 1786 | 7,3 |
| 7703701 | pickled cucumber (gherkin) | 99 | does not apply | 82 | 522 | 0,6 |
| 7703902 | pickled fish paste | 99 | does not apply | 350 | 1280 | 5,2 |
| 7704001 | pickles (gherkin) | 99 | does not apply | 82 | 522 | 0,6 |
| 7705201 | pickled turnip | 99 | does not apply | 82 | 522 | 0,6 |
| 7705401 | strogonoff | 99 | does not apply | 2844 | 1917 | 12,0 |
| 7706001 | pickled salmon | 99 | does not apply | 410 | 1500 | 6,1 |
| 7706104 | light onion soup (dehydrated soup) | 99 | does not apply | 48 | 102 | 0,6 |
| 7706105 | light vegetable soup (dehydrated soup) | 99 | does not apply | 48 | 102 | 0,6 |
| 7706106 | light yakisoba (dehydrated vegetable soup) | 99 | does not apply | 40 | 29 | 0,2 |
| 7706302 | light pickled tuna | 99 | does not apply | 410 | 1500 | 6,1 |
| | poultry and eggs | | | | | |
| 7800103 | whole chicken | 1 | raw | 388 | 523 | 3,1 |
| 7800103 | whole chicken | 2 | cooked | 498 | 654 | 3,9 |
| 7800103 | whole chicken | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800103 | whole chicken | 4 | roasted | 551 | 654 | 3,9 |
| 7800103 | whole chicken | 5 | fried | 482 | 643 | 3,9 |
| 7800103 | whole chicken | 6 | breaded | 465 | 606 | 3,7 |
| 7800103 | whole chicken | 7 | braised | 482 | 643 | 3,9 |
| 7800103 | whole chicken | 8 | red sauce | 437 | 548 | 3,3 |
| 7800103 | whole chicken | 13 | stew | 287 | 352 | 2,1 |
| 7800301 | unspecified chicken piece | 1 | raw | 388 | 523 | 3,1 |
| 7800301 | unspecified chicken piece | 2 | cooked | 498 | 654 | 3,9 |
| 7800301 | unspecified chicken piece | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800301 | unspecified chicken piece | 4 | roasted | 551 | 654 | 3,9 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 7800301 | unspecified chicken piece | 5 | fried | 482 | 643 | 3,9 |
| 7800301 | unspecified chicken piece | 6 | breaded | 465 | 606 | 3,7 |
| 7800301 | unspecified chicken piece | 7 | braised | 482 | 643 | 3,9 |
| 7800301 | unspecified chicken piece | 8 | red sauce | 437 | 548 | 3,3 |
| 7800301 | unspecified chicken piece | 13 | stew | 287 | 352 | 2,1 |
| 7800301 | unspecified chicken piece | 99 | does not apply | 498 | 654 | 3,9 |
| 7800302 | chicken pieces | 1 | raw | 388 | 523 | 3,1 |
| 7800302 | chicken pieces | 2 | cooked | 498 | 654 | 3,9 |
| 7800302 | chicken pieces | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800302 | chicken pieces | 4 | roasted | 551 | 654 | 3,9 |
| 7800302 | chicken pieces | 5 | fried | 482 | 643 | 3,9 |
| 7800302 | chicken pieces | 6 | breaded | 465 | 606 | 3,7 |
| 7800302 | chicken pieces | 7 | braised | 482 | 643 | 3,9 |
| 7800302 | chicken pieces | 8 | red sauce | 437 | 548 | 3,3 |
| 7800302 | chicken pieces | 9 | white sauce | 452 | 569 | 3,5 |
| 7800302 | chicken pieces | 10 | garlic and oil | 421 | 599 | 3,5 |
| 7800302 | chicken pieces | 11 | with butter/oil | 482 | 643 | 3,9 |
| 7800302 | chicken pieces | 13 | stew | 287 | 352 | 2,1 |
| 7800302 | chicken pieces | 15 | soup | 240 | 315 | 1,9 |
| 7800302 | chicken pieces | 99 | does not apply | 498 | 654 | 3,9 |
| 7800303 | chicken pieces (hen) | 2 | cooked | 498 | 654 | 3,9 |
| 7800303 | chicken pieces (hen) | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800303 | chicken pieces (hen) | 4 | roasted | 551 | 654 | 3,9 |
| 7800303 | chicken pieces (hen) | 5 | fried | 482 | 643 | 3,9 |
| 7800303 | chicken pieces (hen) | 6 | breaded | 465 | 606 | 3,7 |
| 7800303 | chicken pieces (hen) | 7 | braised | 482 | 643 | 3,9 |
| 7800303 | chicken pieces (hen) | 8 | red sauce | 437 | 548 | 3,3 |
| 7800303 | chicken pieces (hen) | 9 | white sauce | 452 | 569 | 3,5 |
| 7800303 | chicken pieces (hen) | 13 | stew | 287 | 352 | 2,1 |
| 7800304 | chicken meat | 1 | raw | 388 | 523 | 3,1 |
| 7800304 | chicken meat | 2 | cooked | 498 | 654 | 3,9 |
| 7800304 | chicken meat | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800304 | chicken meat | 4 | roasted | 551 | 654 | 3,9 |
| 7800304 | chicken meat | 5 | fried | 482 | 643 | 3,9 |
| 7800304 | chicken meat | 6 | breaded | 465 | 606 | 3,7 |
| 7800304 | chicken meat | 7 | braised | 482 | 643 | 3,9 |
| 7800304 | chicken meat | 8 | red sauce | 437 | 548 | 3,3 |
| 7800304 | chicken meat | 9 | white sauce | 452 | 569 | 3,5 |
| 7800304 | chicken meat | 13 | stew | 287 | 352 | 2,1 |
| 7800304 | chicken meat | 15 | soup | 240 | 315 | 1,9 |
| 7800304 | chicken meat | 99 | does not apply | 498 | 654 | 3,9 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 7800401 | chicken breast | 1 | raw | 388 | 523 | 3,1 |
| 7800401 | chicken breast | 2 | cooked | 498 | 654 | 3,9 |
| 7800401 | chicken breast | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800401 | chicken breast | 4 | roasted | 551 | 654 | 3,9 |
| 7800401 | chicken breast | 5 | fried | 482 | 643 | 3,9 |
| 7800401 | chicken breast | 6 | breaded | 465 | 606 | 3,7 |
| 7800401 | chicken breast | 7 | braised | 482 | 643 | 3,9 |
| 7800401 | chicken breast | 8 | red sauce | 437 | 548 | 3,3 |
| 7800401 | chicken breast | 9 | white sauce | 452 | 569 | 3,5 |
| 7800401 | chicken breast | 13 | stew | 287 | 352 | 2,1 |
| 7800401 | chicken breast | 15 | soup | 240 | 315 | 1,9 |
| 7800401 | chicken breast | 99 | does not apply | 498 | 654 | 3,9 |
| 7800402 | chicken fillet | 1 | raw | 388 | 523 | 3,1 |
| 7800402 | chicken fillet | 2 | cooked | 498 | 654 | 3,9 |
| 7800402 | chicken fillet | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800402 | chicken fillet | 4 | roasted | 551 | 654 | 3,9 |
| 7800402 | chicken fillet | 5 | fried | 482 | 643 | 3,9 |
| 7800402 | chicken fillet | 6 | breaded | 465 | 606 | 3,7 |
| 7800402 | chicken fillet | 7 | braised | 482 | 643 | 3,9 |
| 7800402 | chicken fillet | 8 | red sauce | 437 | 548 | 3,3 |
| 7800402 | chicken fillet | 9 | white sauce | 452 | 569 | 3,5 |
| 7800402 | chicken fillet | 10 | garlic and oil | 421 | 599 | 3,5 |
| 7800402 | chicken fillet | 13 | stew | 287 | 352 | 2,1 |
| 7800402 | chicken fillet | 99 | does not apply | 498 | 654 | 3,9 |
| 7800602 | chicken carcass | 2 | cooked | 559 | 736 | 4,4 |
| 7800602 | chicken carcass | 4 | roasted | 612 | 736 | 4,4 |
| 7800602 | chicken carcass | 5 | fried | 540 | 721 | 4,3 |
| 7800602 | chicken carcass | 7 | braised | 540 | 721 | 4,3 |
| 7800602 | chicken carcass | 13 | stew | 317 | 393 | 2,4 |
| 7800701 | chicken wings | 1 | raw | 388 | 523 | 3,1 |
| 7800701 | chicken wings | 2 | cooked | 498 | 654 | 3,9 |
| 7800701 | chicken wings | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800701 | chicken wings | 4 | roasted | 551 | 654 | 3,9 |
| 7800701 | chicken wings | 5 | fried | 482 | 643 | 3,9 |
| 7800701 | chicken wings | 6 | breaded | 465 | 606 | 3,7 |
| 7800701 | chicken wings | 7 | braised | 482 | 643 | 3,9 |
| 7800701 | chicken wings | 8 | red sauce | 437 | 548 | 3,3 |
| 7800701 | chicken wings | 13 | stew | 287 | 352 | 2,1 |
| 7800702 | chicken drumettes | 2 | cooked | 498 | 654 | 3,9 |
| 7800702 | chicken drumettes | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800702 | chicken drumettes | 4 | roasted | 551 | 654 | 3,9 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 7800702 | chicken drumettes | 5 | fried | 482 | 643 | 3,9 |
| 7800702 | chicken drumettes | 7 | braised | 482 | 643 | 3,9 |
| 7800702 | chicken drumettes | 8 | red sauce | 437 | 548 | 3,3 |
| 7800801 | chicken neck | 2 | cooked | 498 | 654 | 3,9 |
| 7800801 | chicken neck | 4 | roasted | 551 | 654 | 3,9 |
| 7800801 | chicken neck | 5 | fried | 482 | 643 | 3,9 |
| 7800801 | chicken neck | 7 | braised | 482 | 643 | 3,9 |
| 7800801 | chicken neck | 9 | white sauce | 452 | 569 | 3,5 |
| 7800901 | chicken foot | 2 | cooked | 498 | 654 | 3,9 |
| 7800901 | chicken foot | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7800901 | chicken foot | 4 | roasted | 551 | 654 | 3,9 |
| 7800901 | chicken foot | 5 | fried | 482 | 643 | 3,9 |
| 7800901 | chicken foot | 7 | braised | 482 | 643 | 3,9 |
| 7800901 | chicken foot | 8 | red sauce | 437 | 548 | 3,3 |
| 7800901 | chicken foot | 13 | stew | 287 | 352 | 2,1 |
| 7801001 | chicken offal | 2 | cooked | 396 | 516 | 3,1 |
| 7801001 | chicken offal | 4 | roasted | 449 | 516 | 3,1 |
| 7801001 | chicken offal | 5 | fried | 385 | 512 | 3,1 |
| 7801001 | chicken offal | 8 | red sauce | 356 | 438 | 2,7 |
| 7801001 | chicken offal | 15 | soup | 199 | 259 | 1,6 |
| 7801101 | chicken gizzard | 2 | cooked | 396 | 516 | 3,1 |
| 7801101 | chicken gizzard | 3 | grilled or barbecue | 383 | 516 | 3,1 |
| 7801101 | chicken gizzard | 5 | fried | 385 | 512 | 3,1 |
| 7801101 | chicken gizzard | 7 | braised | 385 | 512 | 3,1 |
| 7801101 | chicken gizzard | 8 | red sauce | 356 | 438 | 2,7 |
| 7801101 | chicken gizzard | 9 | white sauce | 371 | 458 | 2,8 |
| 7801101 | chicken gizzard | 13 | stew | 236 | 284 | 1,7 |
| 7801101 | chicken gizzard | 15 | soup | 199 | 259 | 1,6 |
| 7801202 | chicken heart | 2 | cooked | 402 | 516 | 3,1 |
| 7801202 | chicken heart | 3 | grilled or barbecue | 383 | 516 | 3,1 |
| 7801202 | chicken heart | 4 | roasted | 449 | 516 | 3,1 |
| 7801202 | chicken heart | 5 | fried | 385 | 512 | 3,1 |
| 7801202 | chicken heart | 13 | stew | 242 | 284 | 1,7 |
| 7801301 | chicken liver | 2 | cooked | 396 | 516 | 3,1 |
| 7801301 | chicken liver | 4 | roasted | 449 | 516 | 3,1 |
| 7801301 | chicken liver | 5 | fried | 385 | 512 | 3,1 |
| 7801407 | canja (Brazilian chicken and rice soup) | 99 | does not apply | 498 | 654 | 3,9 |
| 7801702 | unspecified turkey pieces | 2 | cooked | 483 | 559 | 3,3 |
| 7801702 | unspecified turkey pieces | 4 | roasted | 536 | 559 | 3,3 |
| 7801702 | unspecified turkey pieces | 5 | fried | 468 | 553 | 3,3 |
| 7801702 | unspecified turkey pieces | 13 | stew | 279 | 305 | 1,9 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|------|-----|
| 7801801 | turkey breast | 1 | raw | 376 | 447 | 2,7 |
| 7801801 | turkey breast | 2 | cooked | 389 | 447 | 2,7 |
| 7801801 | turkey breast | 3 | grilled or barbecue | 376 | 447 | 2,7 |
| 7801801 | turkey breast | 4 | roasted | 442 | 447 | 2,7 |
| 7801801 | turkey breast | 5 | fried | 378 | 447 | 2,7 |
| 7801801 | turkey breast | 6 | breaded | 377 | 441 | 2,7 |
| 7801801 | turkey breast | 99 | does not apply | 389 | 447 | 2,7 |
| 7802101 | turkey wings | 2 | cooked | 562 | 654 | 3,9 |
| 7802101 | turkey wings | 4 | roasted | 616 | 654 | 3,9 |
| 7802701 | chester (red junglefowl) | 2 | cooked | 450 | 589 | 3,5 |
| 7802701 | chester (red junglefowl) | 4 | roasted | 503 | 589 | 3,5 |
| 7802701 | chester (red junglefowl) | 99 | does not apply | 450 | 589 | 3,5 |
| 7802702 | tender (ham) | 4 | roasted | 503 | 589 | 3,5 |
| 7802801 | nambu (small-billed tinamou) | 2 | cooked | 559 | 736 | 4,4 |
| 7802901 | chicken nuggets | 3 | grilled or barbecue | 528 | 1600 | 6,5 |
| 7802901 | chicken nuggets | 4 | roasted | 561 | 1600 | 6,5 |
| 7802901 | chicken nuggets | 5 | fried | 523 | 1541 | 6,4 |
| 7802901 | chicken nuggets | 6 | breaded | 496 | 1363 | 5,8 |
| 7802901 | chicken nuggets | 7 | braised | 523 | 1541 | 6,4 |
| 7802902 | chicken steak | 2 | cooked | 541 | 1600 | 6,5 |
| 7802902 | chicken steak | 3 | grilled or barbecue | 528 | 1600 | 6,5 |
| 7802902 | chicken steak | 4 | roasted | 561 | 1600 | 6,5 |
| 7802902 | chicken steak | 5 | fried | 523 | 1541 | 6,4 |
| 7802902 | chicken steak | 6 | breaded | 492 | 1363 | 5,8 |
| 7802902 | chicken steak | 99 | does not apply | 528 | 1600 | 6,5 |
| 7803001 | quail | 5 | fried | 540 | 721 | 4,3 |
| 7803201 | chicken feet and wings | 2 | cooked | 498 | 654 | 3,9 |
| 7803201 | chicken feet and wings | 4 | roasted | 551 | 654 | 3,9 |
| 7803201 | chicken feet and wings | 5 | fried | 482 | 643 | 3,9 |
| 7803301 | chicken egg | 1 | raw | 372 | 340 | 2,3 |
| 7803301 | chicken egg | 2 | cooked | 382 | 340 | 2,3 |
| 7803301 | chicken egg | 4 | roasted | 394 | 340 | 2,3 |
| 7803301 | chicken egg | 5 | fried | 368 | 344 | 2,4 |
| 7803301 | chicken egg | 7 | braised | 365 | 344 | 2,4 |
| 7803301 | chicken egg | 8 | red sauce | 337 | 297 | 2,1 |
| 7803301 | chicken egg | 10 | garlic and oil | 323 | 348 | 2,2 |
| 7803301 | chicken egg | 11 | with butter/oil | 371 | 344 | 2,4 |
| 7803301 | chicken egg | 12 | vinaigrette | 321 | 300 | 2,2 |
| 7803301 | chicken egg | 13 | stew | 221 | 195 | 1,4 |
| 7803301 | chicken egg | 14 | porridge | 175 | 180 | 1,1 |
| 7803301 | chicken egg | 99 | does not apply | 382 | 340 | 2,3 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|-----|-----|-----|
| 7803501 | quail egg | 1 | raw | 374 | 341 | 2,3 |
| 7803501 | quail egg | 2 | cooked | 383 | 341 | 2,3 |
| 7803501 | quail egg | 5 | fried | 370 | 346 | 2,4 |
| 7803501 | quail egg | 12 | vinaigrette | 322 | 302 | 2,2 |
| 7803501 | quail egg | 99 | does not apply | 383 | 341 | 2,3 |
| 7803702 | slaughtered, frozen or alive guinea fowl | 2 | cooked | 498 | 654 | 3,9 |
| 7803702 | slaughtered, frozen or alive guinea fowl | 4 | roasted | 551 | 654 | 3,9 |
| 7803703 | capote (guinea fowl) | 2 | cooked | 498 | 654 | 3,9 |
| 7803703 | capote (guinea fowl) | 4 | roasted | 551 | 654 | 3,9 |
| 7803703 | capote (guinea fowl) | 5 | fried | 482 | 643 | 3,9 |
| 7803707 | curassow | 2 | cooked | 498 | 654 | 3,9 |
| 7803907 | duck pieces | 2 | cooked | 498 | 654 | 3,9 |
| 7803907 | duck pieces | 13 | stew | 287 | 352 | 2,1 |
| 7803908 | duck breast | 5 | fried | 482 | 643 | 3,9 |
| 7803913 | duck meat | 2 | cooked | 498 | 654 | 3,9 |
| 7803913 | duck meat | 4 | roasted | 551 | 654 | 3,9 |
| 7803913 | duck meat | 5 | fried | 482 | 643 | 3,9 |
| 7805401 | light turkey breast | 1 | raw | 376 | 447 | 2,7 |
| 7805401 | light turkey breast | 2 | cooked | 483 | 559 | 3,3 |
| 7805401 | light turkey breast | 99 | does not apply | 483 | 559 | 3,3 |
| 7805501 | organic whole chicken | 2 | cooked | 559 | 736 | 4,4 |
| 7805501 | organic whole chicken | 4 | roasted | 612 | 736 | 4,4 |
| 7805702 | organic chicken fillet | 2 | cooked | 498 | 654 | 3,9 |
| 7805702 | organic chicken fillet | 3 | grilled or barbecue | 486 | 654 | 3,9 |
| 7805702 | organic chicken fillet | 5 | fried | 482 | 643 | 3,9 |
| 7805702 | organic chicken fillet | 6 | breaded | 465 | 606 | 3,7 |
| | dairy products | | | | | |
| 7900101 | whole cow's milk | 99 | does not apply | 127 | 135 | 0,8 |
| 7900201 | raw cow's milk | 99 | does not apply | 127 | 132 | 0,8 |
| 7900301 | goat's milk | 99 | does not apply | 132 | 120 | 0,8 |
| 7900601 | whole milk powder | 99 | does not apply | 133 | 67 | 0,3 |
| 7900710 | skimmed milk powder | 99 | does not apply | 133 | 67 | 0,3 |
| 7900801 | milk powder | 99 | does not apply | 133 | 67 | 0,3 |
| 7900901 | condensed milk | 99 | does not apply | 200 | 165 | 1,0 |
| 7900903 | leite beijinho (condensed milk) | 99 | does not apply | 200 | 165 | 1,0 |
| 7901001 | table cream | 99 | does not apply | 627 | 495 | 4,5 |
| 7901101 | whipped cream | 99 | does not apply | 257 | 204 | 1,4 |
| 7901201 | yogurt (any flavour) | 99 | does not apply | 343 | 150 | 1,3 |
| 7901203 | low fat yogurt | 99 | does not apply | 333 | 265 | 2,6 |
| 7901204 | plain yogurt | 99 | does not apply | 161 | 265 | 2,6 |
| 7901301 | yakult probiotic drink (any flavour) | 99 | does not apply | 79 | 152 | 5,8 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|-----------------------------------------------------|------|-------------------------|-----|-----|------|
| 7901303 | dairy drink | 99 | does not apply | 79 | 140 | 5,8 |
| 7901304 | fermented milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7901401 | curd | 99 | does not apply | 333 | 265 | 2,6 |
| 7901501 | salted or unsalted butter | 99 | does not apply | 603 | 422 | 11,5 |
| 7901505 | manteiga de garrafa (Brazilian liquid butter) | 99 | does not apply | 910 | 422 | 11,5 |
| 7901602 | salted or unsalted margarine | 99 | does not apply | 157 | 132 | 6,6 |
| 7901701 | queijo prato (Brazilian soft cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7901703 | colony cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7901705 | colony cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7901801 | mozzarella cheese | 99 | does not apply | 923 | 696 | 3,6 |
| 7901803 | mozzarella | 99 | does not apply | 818 | 712 | 2,8 |
| 7901807 | buffalo mozzarella | 99 | does not apply | 818 | 626 | 2,8 |
| 7901809 | buffalo cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7901901 | queijo de reino (Brazilian edam cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7902001 | minas cheese | 99 | does not apply | 835 | 375 | 4,1 |
| 7902003 | queijo de manteiga (Brazilian butter-shaped cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7902004 | keschmier | 99 | does not apply | 295 | 125 | 0,6 |
| 7902005 | queijo de coalho (Brazilian cheese curds) | 99 | does not apply | 818 | 626 | 2,8 |
| 7902008 | canastra cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7902201 | ricotta cheese | 99 | does not apply | 400 | 262 | 1,4 |
| 7902301 | flavoured soy milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7902303 | ades original (soy milk) | 99 | does not apply | 94 | 41 | 5,8 |
| 7902403 | grated cheese | 99 | does not apply | 876 | 597 | 4,1 |
| 7902501 | provolone cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7902801 | polenguinho (UHT processed cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7902901 | requeijão (Brazilian cream cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7902902 | cream cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7903001 | unspecified cheese | 99 | does not apply | 897 | 597 | 5,4 |
| 7903101 | flavoured milk | 99 | does not apply | 55 | 152 | 5,8 |
| 7903102 | chocolate milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7903109 | flavoured milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7903110 | chocolate drink | 99 | does not apply | 79 | 152 | 5,8 |
| 7903201 | cream | 99 | does not apply | 333 | 265 | 2,6 |
| 7903301 | gorgonzola cheese | 99 | does not apply | 876 | 597 | 4,1 |
| 7903402 | tofu | 99 | does not apply | 59 | 98 | 0,3 |
| 7903501 | soy milk powder | 99 | does not apply | 11 | 46 | 0,7 |
| 7903601 | skimmed cow's milk | 99 | does not apply | 111 | 120 | 0,8 |
| 7903702 | semi-skimmed cow's milk | 99 | does not apply | 141 | 124 | 0,8 |
| 7903801 | unspecified pasteurized milk | 99 | does not apply | 127 | 132 | 0,8 |
| 7903901 | light yogurt (any flavour) | 99 | does not apply | 333 | 265 | 2,6 |
| 7904001 | diet yogurt (any flavour) | 99 | does not apply | 333 | 265 | 2,6 |

Table of footprints - continuation

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|------------------------------------------------------|------|-------------------------|-----|-----|------|
| 7904201 | light margarine | 99 | does not apply | 157 | 132 | 6,6 |
| 7904301 | organic whole cow's milk | 99 | does not apply | 127 | 132 | 0,8 |
| 7904401 | organic raw cow's milk | 99 | does not apply | 127 | 132 | 0,8 |
| 7904601 | organic semi-skimmed cow's milk | 99 | does not apply | 118 | 120 | 0,8 |
| 7904701 | organic table cream | 99 | does not apply | 333 | 265 | 2,6 |
| 7904801 | organic yogurt (any flavour) | 99 | does not apply | 333 | 265 | 2,6 |
| 7904803 | organic skimmed yogurt (any flavour) | 99 | does not apply | 333 | 265 | 2,6 |
| 7904804 | organic plain yogurt (any flavour) | 99 | does not apply | 333 | 265 | 2,6 |
| 7905103 | light mozzarella | 99 | does not apply | 818 | 626 | 2,8 |
| 7905104 | light mozzarella cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7905201 | light flavoured soy milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7905203 | light ades (soy milk) | 99 | does not apply | 79 | 152 | 5,8 |
| 7905601 | light table cream | 99 | does not apply | 333 | 265 | 2,6 |
| 7905901 | light queijo prato (Brazilian soft cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7906001 | light minas cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7906005 | light queijo de coalho (Brazilian cheese curds) | 99 | does not apply | 818 | 626 | 2,8 |
| 7906201 | light ricotta cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7906303 | light grated cheese | 99 | does not apply | 876 | 597 | 4,1 |
| 7906401 | light polenguinho (UHT processed cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7906501 | light requeijão (Brazilian cream cheese) | 99 | does not apply | 818 | 626 | 2,8 |
| 7906601 | light unspecified cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7906702 | light chocolate milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7906710 | light chocolate drink | 99 | does not apply | 79 | 152 | 5,8 |
| 7906801 | diet flavoured milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7906802 | diet chocolate milk | 99 | does not apply | 79 | 152 | 5,8 |
| 7906810 | diet chocolate drink | 99 | does not apply | 79 | 152 | 5,8 |
| 7906901 | light soy milk powder | 99 | does not apply | 10 | 18 | 0,7 |
| 7907001 | flavoured milk powder | 99 | does not apply | 10 | 18 | 0,7 |
| 7907101 | light salted or unsalted butter | 99 | does not apply | 987 | 422 | 11,5 |
| 7907301 | organic fresh minas cheese | 99 | does not apply | 818 | 626 | 2,8 |
| 7907305 | organic fresh queijo coalho (Brazilian cheese curds) | 99 | does not apply | 818 | 626 | 2,8 |
| | bakery products | | | | | |
| 8000103 | hamburger bun | 99 | does not apply | 180 | 127 | 0,9 |
| 8000105 | bread roll | 99 | does not apply | 55 | 187 | 0,5 |
| 8000201 | sweet bread | 99 | does not apply | 180 | 127 | 0,9 |
| 8000203 | schnecken | 99 | does not apply | 257 | 204 | 1,4 |
| 8000218 | crumb schnecken | 99 | does not apply | 257 | 204 | 1,4 |
| 8000229 | gingerbread | 99 | does not apply | 257 | 204 | 1,4 |
| 8000234 | panettone | 99 | does not apply | 257 | 204 | 1,4 |
| 8000237 | bisnaguinha (small and soft roll) | 99 | does not apply | 93 | 127 | 0,9 |
| 8000240 | croissant | 99 | does not apply | 180 | 127 | 0,9 |

| Cod POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------------|------|-------------------------|-----|-----|-----|
| _ | industrialized loaf (any brand) | 99 | does not apply | 108 | 88 | 0,5 |
| | pão de queijo (Brazilian cheese bread) | 99 | does not apply | 200 | 165 | 1,0 |
| | corn bread | 99 | does not apply | 180 | 127 | 0,9 |
| 8001401 | whole wheat bread | 99 | does not apply | 180 | 127 | 0,9 |
| 8001501 | unspecified bread | 99 | does not apply | 180 | 127 | 0,9 |
| 8001901 | toast (any bread) | 99 | does not apply | 154 | 132 | 1,0 |
| 8002001 | sweet bagel | 99 | does not apply | 257 | 204 | 1,4 |
| 8002002 | doughnut | 99 | does not apply | 194 | 273 | 1,1 |
| 8002101 | savoury bagel | 99 | does not apply | 164 | 223 | 1,1 |
| 8002106 | savoury doughnut | 99 | does not apply | 180 | 127 | 0,9 |
| 8002201 | salted biscuit | 99 | does not apply | 155 | 151 | 1,0 |
| 8002205 | ham flavoured cracker | 99 | does not apply | 180 | 127 | 0,9 |
| 8002212 | biscoito de polvilho (cassava starch snack) | 99 | does not apply | 164 | 223 | 1,1 |
| 8002225 | cracker | 99 | does not apply | 145 | 98 | 1,0 |
| 8002227 | chips (snacks) | 99 | does not apply | 390 | 127 | 0,9 |
| 8002230 | baconzitos (bacon snacks) | 99 | does not apply | 180 | 127 | 0,9 |
| 8002236 | whole wheat salted biscuit | 99 | does not apply | 100 | 62 | 0,9 |
| 8002301 | biscuit | 99 | does not apply | 169 | 305 | 1,3 |
| 8002302 | cavaco chinês (sweet cassava starch biscuit) | 99 | does not apply | 164 | 223 | 1,1 |
| 8002305 | sequilho (cornstarch biscuit) | 99 | does not apply | 164 | 223 | 1,1 |
| 8002306 | tareco (tough biscuit) | 99 | does not apply | 164 | 223 | 1,1 |
| 8002309 | sorda (Brazilian gingerbread) | 99 | does not apply | 180 | 127 | 0,9 |
| 8002315 | brevidade (cornstarch biscuit) | 99 | does not apply | 164 | 223 | 1,1 |
| 8002334 | sweet biscuit | 99 | does not apply | 147 | 168 | 1,0 |
| 8002335 | maria maluca (sweet coconut bread) | 99 | does not apply | 164 | 223 | 1,1 |
| 8002405 | quebra quebra (cassava starch biscuit) | 99 | does not apply | 164 | 223 | 1,1 |
| 8002502 | swiss roll | 99 | does not apply | 206 | 203 | 1,4 |
| | kuchen (any flavour) | 99 | does not apply | 257 | 204 | 1,4 |
| 8002601 | corn cake | 99 | does not apply | 225 | 197 | 1,2 |
| 8002604 | amidomil (cassava gum and coconut milk sweet roll) | 99 | does not apply | 257 | 204 | 1,4 |
| 8002605 | angusor de milho (corn sweet roll) | 99 | does not apply | 257 | 204 | 1,4 |
| 8002609 | grustoli (Brazilian angel wings) | 99 | does not apply | 257 | 204 | 1,4 |
| 8002701 | cassava cake | 99 | does not apply | 124 | 134 | 1,3 |
| 8002702 | tapioca cake | 99 | does not apply | 157 | 219 | 1,5 |
| 8002703 | manioc cake | 99 | does not apply | 124 | 134 | 1,3 |
| 8002704 | cassava starch cake | 99 | does not apply | 157 | 219 | 1,5 |
| 8002801 | sweet potato cake | 99 | does not apply | 160 | 162 | 1,1 |
| 8002901 | rice cake | 99 | does not apply | 186 | 153 | 1,0 |
| 8003101 | yam cake | 99 | does not apply | 160 | 165 | 1,1 |
| 8003501 | sweet pie (any flavour) | 99 | does not apply | 300 | 127 | 0,9 |
| 8003601 | savory pie (any flavour) | 99 | does not apply | 953 | 173 | 1,1 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|-----|
| 8003701 | sonho (Brazilian fried doughnut) | 99 | does not apply | 180 | 127 | 0,9 |
| 8003702 | filhós (wheat flour and eggs doughnut) | 99 | does not apply | 180 | 127 | 0,9 |
| 8003801 | chocolate cake | 99 | does not apply | 170 | 188 | 2,8 |
| 8003902 | brioche | 99 | does not apply | 164 | 192 | 1,0 |
| 8004001 | orange cake | 99 | does not apply | 157 | 159 | 1,1 |
| 8004101 | coconut cake | 99 | does not apply | 205 | 169 | 1,1 |
| 8004201 | carrot cake | 99 | does not apply | 153 | 169 | 1,0 |
| 8004601 | wheat cake | 99 | does not apply | 294 | 262 | 3,4 |
| 8004701 | broa (Brazilian corn bread) | 99 | does not apply | 180 | 127 | 0,9 |
| 8004801 | sandwich biscuit | 99 | does not apply | 182 | 172 | 1,1 |
| 8004807 | wafer (biscuit) | 99 | does not apply | 164 | 223 | 1,1 |
| 8004809 | alfajores (South American biscuits) | 99 | does not apply | 164 | 223 | 1,1 |
| 8004810 | sandwich cookie | 99 | does not apply | 155 | 246 | 1,2 |
| 8004813 | stuffed bagel | 99 | does not apply | 238 | 190 | 1,3 |
| 8004814 | stuffed doughnut (any flavour) | 99 | does not apply | 164 | 223 | 1,1 |
| 8005201 | unspecified biscuit | 99 | does not apply | 225 | 127 | 1,4 |
| 8006101 | crêpe | 99 | does not apply | 1969 | 1379 | 8,7 |
| 8006501 | diet loaf (industrialized) | 99 | does not apply | 180 | 127 | 0,9 |
| 8006601 | light loaf (industrialized) | 99 | does not apply | 180 | 127 | 0,9 |
| 8006701 | light whole wheat bread | 99 | does not apply | 180 | 127 | 0,9 |
| 8006801 | light whole wheat bread | 99 | does not apply | 180 | 127 | 0,9 |
| 8007001 | light sweet pie (any flavour) | 99 | does not apply | 180 | 127 | 0,9 |
| 8007101 | diet sweet pie (any flavour) | 99 | does not apply | 180 | 127 | 0,9 |
| 8007302 | light filhós (wheat flour and eggs doughnut) | 99 | does not apply | 953 | 173 | 1,1 |
| 8007402 | diet filhós (wheat flour and eggs doughnut) | 99 | does not apply | 953 | 173 | 1,1 |
| 8007501 | light chocolate cake | 99 | does not apply | 257 | 204 | 1,4 |
| 8007601 | diet chocolate cake | 99 | does not apply | 257 | 204 | 1,4 |
| 8007701 | light orange cake | 99 | does not apply | 256 | 204 | 1,5 |
| 8008001 | diet coconut cake | 99 | does not apply | 257 | 204 | 1,4 |
| 8008201 | diet carrot cake | 99 | does not apply | 257 | 204 | 1,4 |
| | light sandwich biscuit | 99 | does not apply | 164 | 223 | 1,1 |
| 8008305 | light wafer | 99 | does not apply | 164 | 223 | 1,1 |
| 8008307 | light wafer (biscuit) | 99 | does not apply | 164 | 223 | 1,1 |
| 8008309 | light alfajores (South American biscuits) | 99 | does not apply | 164 | 223 | 1,1 |
| 8008310 | light sandwich cookie | 99 | does not apply | 294 | 547 | 2,1 |
| 8008401 | diet sandwich biscuit | 99 | does not apply | 164 | 223 | 1,1 |
| 8008408 | diet stuffed doughnut (any flavour) | 99 | does not apply | 164 | 223 | 1,1 |
| 8008410 | diet sandwich cookie | 99 | does not apply | 164 | 223 | 1,1 |
| 8010001 | diet sweet bread | 99 | does not apply | 257 | 204 | 1,4 |
| 8010029 | diet gingerbread | 99 | does not apply | 257 | 204 | 1,4 |
| 8010034 | diet panettone | 99 | does not apply | 257 | 204 | 1,4 |

| Cod_POF | Foods and culinary preparations descriptions | s Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|--------|-------------------------|------|------|-----|
| 8010101 | light salted biscuit | 99 | does not apply | 180 | 127 | 0,9 |
| 8010125 | light cracker | 99 | does not apply | 180 | 127 | 0,9 |
| 8010127 | light chips (snacks) | 99 | does not apply | 180 | 127 | 0,9 |
| 8010401 | light biscuit | 99 | does not apply | 164 | 223 | 1,1 |
| 8010434 | light cookie | 99 | does not apply | 164 | 223 | 1,1 |
| 8010501 | diet sweet biscuit | 99 | does not apply | 164 | 223 | 1,1 |
| 8010534 | diet cookie | 99 | does not apply | 164 | 223 | 1,1 |
| 8010601 | banana cake | 99 | does not apply | 189 | 186 | 1,1 |
| | processed meat | | | | | |
| 8100101 | jerked beef | 2 | cooked | 5023 | 4698 | 3,5 |
| 8100101 | jerked beef | 3 | grilled or barbecue | 5011 | 4698 | 3,5 |
| 8100101 | jerked beef | 4 | roasted | 5045 | 4698 | 3,5 |
| 8100101 | jerked beef | 5 | fried | 4785 | 4484 | 3,5 |
| 8100101 | jerked beef | 7 | braised | 4781 | 4484 | 3,5 |
| 8100101 | jerked beef | 8 | red sauce | 4058 | 3783 | 3,0 |
| 8100101 | jerked beef | 13 | stew | 2550 | 2374 | 2,0 |
| 8100102 | charque (jerked beef) | 1 | raw | 3508 | 3288 | 2,5 |
| 8100102 | charque (jerked beef) | 2 | cooked | 5023 | 4698 | 3,5 |
| 8100102 | charque (jerked beef) | 3 | grilled or barbecue | 5011 | 4698 | 3,5 |
| 8100102 | charque (jerked beef) | 4 | roasted | 5045 | 4698 | 3,5 |
| 8100102 | charque (jerked beef) | 5 | fried | 4785 | 4484 | 3,5 |
| 8100102 | charque (jerked beef) | 7 | braised | 4781 | 4484 | 3,5 |
| 8100102 | charque (jerked beef) | 8 | red sauce | 4058 | 3783 | 3,0 |
| 8100102 | charque (jerked beef) | 13 | stew | 2550 | 2374 | 2,0 |
| 8100103 | jabá (jerked beef) | 2 | cooked | 5023 | 4698 | 3,5 |
| 8100103 | jabá (jerked beef) | 5 | fried | 4785 | 4484 | 3,5 |
| 8100103 | jabá (jerked beef) | 7 | braised | 4781 | 4484 | 3,5 |
| 8100103 | jabá (jerked beef) | 99 | does not apply | 5011 | 4698 | 3,5 |
| 8100201 | carne de sol (jerked beef) | 1 | raw | 3508 | 3288 | 2,5 |
| 8100201 | carne de sol (jerked beef) | 2 | cooked | 5023 | 4698 | 3,5 |
| 8100201 | carne de sol (jerked beef) | 3 | grilled or barbecue | 5011 | 4698 | 3,5 |
| 8100201 | carne de sol (jerked beef) | 4 | roasted | 5045 | 4698 | 3,5 |
| 8100201 | carne de sol (jerked beef) | 5 | fried | 4785 | 4484 | 3,5 |
| 8100201 | carne de sol (jerked beef) | 13 | stew | 2550 | 2374 | 2,0 |
| 8100202 | carne do sertão (jerked beef) | 2 | cooked | 5023 | 4698 | 3,5 |
| 8100202 | carne do sertão (jerked beef) | 4 | roasted | 5045 | 4698 | 3,5 |
| 8100202 | carne do sertão (jerked beef) | 5 | fried | 4785 | 4484 | 3,5 |
| 8100502 | beef hamburger patty | 1 | raw | 1450 | 1280 | 5,2 |
| 8100502 | beef hamburger patty | 2 | cooked | 2084 | 1829 | 7,4 |
| 8100502 | beef hamburger patty | 3 | grilled or barbecue | 2071 | 1829 | 7,4 |
| 8100502 | beef hamburger patty | 4 | roasted | 2104 | 1829 | 7,4 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|------|------|-----|
| 8100502 | beef hamburger patty | 5 | fried | 1989 | 1759 | 7,2 |
| 8100502 | beef hamburger patty | 8 | red sauce | 1706 | 1487 | 6,2 |
| 8100502 | beef hamburger patty | 99 | does not apply | 2071 | 1829 | 7,4 |
| 8100802 | smoked coppa | 99 | does not apply | 1152 | 1060 | 2,8 |
| 8101005 | bacon | 99 | does not apply | 1020 | 736 | 1,9 |
| 8101101 | chicken hamburger patty | 2 | cooked | 2084 | 1829 | 7,4 |
| 8101101 | chicken hamburger patty | 3 | grilled or barbecue | 2071 | 1829 | 7,4 |
| 8101101 | chicken hamburger patty | 4 | roasted | 2104 | 1829 | 7,4 |
| 8101101 | chicken hamburger patty | 5 | fried | 1989 | 1759 | 7,2 |
| 8101101 | chicken hamburger patty | 6 | breaded | 1730 | 1546 | 6,6 |
| 8101101 | chicken hamburger patty | 99 | does not apply | 2071 | 1829 | 7,4 |
| 8102101 | sausage (retail) | 1 | raw | 353 | 1280 | 5,2 |
| 8102101 | sausage (retail) | 2 | cooked | 334 | 1164 | 4,7 |
| 8102101 | sausage (retail) | 3 | grilled or barbecue | 321 | 1164 | 4,7 |
| 8102101 | sausage (retail) | 4 | roasted | 354 | 1164 | 4,7 |
| 8102101 | sausage (retail) | 5 | fried | 326 | 1127 | 4,7 |
| 8102101 | sausage (retail) | 7 | braised | 326 | 1127 | 4,7 |
| 8102101 | sausage (retail) | 8 | red sauce | 306 | 956 | 4,0 |
| 8102101 | sausage (retail) | 9 | white sauce | 321 | 976 | 4,2 |
| 8102101 | sausage (retail) | 10 | garlic and oil | 289 | 1007 | 4,2 |
| 8102101 | sausage (retail) | 11 | with butter/oil | 339 | 1127 | 4,7 |
| 8102101 | sausage (retail) | 13 | stew | 205 | 607 | 2,6 |
| 8102101 | sausage (retail) | 99 | does not apply | 321 | 1164 | 4,7 |
| 8102204 | sausage (pork, beef, mixed etc.) | 1 | raw | 1780 | 1560 | 5,2 |
| 8102204 | sausage (pork, beef, mixed etc.) | 2 | cooked | 2618 | 2283 | 7,6 |
| 8102204 | sausage (pork, beef, mixed etc.) | 3 | grilled or barbecue | 2605 | 2283 | 7,6 |
| 8102204 | sausage (pork, beef, mixed etc.) | 4 | roasted | 2638 | 2283 | 7,6 |
| 8102204 | sausage (pork, beef, mixed etc.) | 5 | fried | 2496 | 2190 | 7,4 |
| 8102204 | sausage (pork, beef, mixed etc.) | 6 | breaded | 2157 | 1909 | 6,7 |
| 8102204 | sausage (pork, beef, mixed etc.) | 7 | braised | 2496 | 2190 | 7,4 |
| 8102204 | sausage (pork, beef, mixed etc.) | 8 | red sauce | 2133 | 1851 | 6,3 |
| 8102204 | sausage (pork, beef, mixed etc.) | 11 | with butter/oil | 2496 | 2190 | 7,4 |
| 8102204 | sausage (pork, beef, mixed etc.) | 13 | stew | 1347 | 1167 | 4,0 |
| 8102204 | sausage (pork, beef, mixed etc.) | 99 | does not apply | 2605 | 2283 | 7,6 |
| 8102207 | chicken sausage | 1 | raw | 1455 | 1280 | 5,2 |
| 8102207 | chicken sausage | 2 | cooked | 2142 | 1873 | 7,6 |
| 8102207 | chicken sausage | 3 | grilled or barbecue | 2129 | 1873 | 7,6 |
| 8102207 | chicken sausage | 4 | roasted | 2162 | 1873 | 7,6 |
| 8102207 | chicken sausage | 5 | fried | 2044 | 1801 | 7,4 |
| 8102401 | chouriço (pork sausage) | 99 | does not apply | 1455 | 1280 | 5,2 |
| 8102402 | black pudding | 99 | does not apply | 1455 | 1280 | 5,2 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|--------------------------------------------------|-------------|-------------------------|------|------|-----|
| 8102403 | blood pudding | 1 | raw | 1455 | 1280 | 5,2 |
| 8102403 | blood pudding | 2 | cooked | 1468 | 1280 | 5,2 |
| 8102501 | paio (cured sausage) | 2 | cooked | 2142 | 1873 | 7,6 |
| 8102601 | mortadella | 99 | does not apply | 1455 | 1280 | 5,2 |
| 8102701 | salami | 99 | does not apply | 1455 | 1280 | 5,2 |
| 8102702 | mini salami | 99 | does not apply | 1130 | 1000 | 5,2 |
| 8102801 | blanquet de peru (cooked turkey breast) | 99 | does not apply | 423 | 1280 | 5,2 |
| 8102901 | ham | 99 | does not apply | 788 | 724 | 1,9 |
| 8103001 | turkey hamburger patty | 2 | cooked | 616 | 1829 | 7,4 |
| 8103001 | turkey hamburger patty | 4 | roasted | 637 | 1829 | 7,4 |
| 8103001 | turkey hamburger patty | 6 | breaded | 556 | 1546 | 6,6 |
| 8103101 | unspecified hamburger patty | 2 | cooked | 2084 | 1829 | 7,4 |
| 8103101 | unspecified hamburger patty | 3 | grilled or barbecue | 2071 | 1829 | 7,4 |
| 8103101 | unspecified hamburger patty | 4 | roasted | 2104 | 1829 | 7,4 |
| 8103101 | unspecified hamburger patty | 5 | fried | 1989 | 1759 | 7,2 |
| 8103101 | unspecified hamburger patty | 99 | does not apply | 2071 | 1829 | 7,4 |
| 8103601 | apresuntado (fat ham) | 99 | does not apply | 530 | 1280 | 5,2 |
| 8103901 | pururuca de porco (crispy fried pork skin) | 99 | does not apply | 788 | 724 | 1,9 |
| 8103902 | fried pork skin (pururuca) | 99 | does not apply | 788 | 724 | 1,9 |
| 8104001 | pâté (liver, italian sausage, chicken, ham etc.) | 99 | does not apply | 530 | 1280 | 5,2 |
| 8104101 | smoked poultry | 99 | does not apply | 984 | 905 | 2,4 |
| 8104601 | unspecified salted meat | 2 | cooked | 4510 | 4216 | 3,2 |
| 8104601 | unspecified salted meat | 3 | grilled or barbecue | 4497 | 4216 | 3,2 |
| 8104601 | unspecified salted meat | 4 | roasted | 4532 | 4216 | 3,2 |
| 8104601 | unspecified salted meat | 5 | fried | 4296 | 4027 | 3,2 |
| 8104601 | unspecified salted meat | 7 | braised | 4293 | 4027 | 3,2 |
| 8104601 | unspecified salted meat | 8 | red sauce | 3646 | 3397 | 2,8 |
| 8104601 | unspecified salted meat | 99 | does not apply | 4497 | 4216 | 3,2 |
| | breaded mini chicken fillet | 2 | cooked | 541 | 1600 | 6,5 |
| | breaded mini chicken fillet | 3 | grilled or barbecue | 528 | 1600 | 6,5 |
| | breaded mini chicken fillet | 4 | roasted | 561 | 1600 | 6,5 |
| | breaded mini chicken fillet | 5 | fried | 523 | 1541 | 6,4 |
| | breaded mini chicken fillet | 6 | breaded | 496 | 1363 | 5,8 |
| | light mortadella | 99 | does not apply | 353 | 1280 | 5,2 |
| 8105201 | light sausage (retail) | 5 | fried | 357 | 1237 | 5,1 |
| | light salami | 99 | does not apply | 353 | 1280 | 5,2 |
| | light blanquet de peru (cooked turkey breast) | 99 | does not apply | 423 | 1280 | 5,2 |
| 8105701 | light unspecified hamburger patty | 99 | does not apply | 2071 | 1829 | 7,4 |
| | non-alcoholic drinks and infusions | | | | | |
| 8200101 | traditional cola | 99 | does not apply | 69 | 45 | 0,2 |
| 8200102 | traditional coke | 99 tinue | does not apply | 38 | 45 | 0,2 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------|------|-------------------------|----|-----|-----|
| 8200202 | traditional orange fanta | 99 | does not apply | 45 | 45 | 0,2 |
| 8200208 | traditional sukita (orange soda) | 99 | does not apply | 45 | 45 | 0,2 |
| 8200301 | traditional guaraná soda | 99 | does not apply | 45 | 45 | 0,2 |
| 8200302 | traditional guaraná | 99 | does not apply | 45 | 45 | 0,2 |
| 8200407 | traditional sprite | 99 | does not apply | 33 | 45 | 0,2 |
| 8200505 | traditional grape fanta | 99 | does not apply | 45 | 45 | 0,2 |
| 8200701 | light cola | 99 | does not apply | 27 | 45 | 0,2 |
| 8200702 | light coke | 99 | does not apply | 27 | 45 | 0,2 |
| 8200801 | diet cola | 99 | does not apply | 27 | 45 | 0,2 |
| 8200902 | traditional minuano (Brazilian soda) | 99 | does not apply | 45 | 45 | 0,2 |
| 8201104 | traditional mate (iced tea) | 99 | does not apply | 36 | 740 | 4,7 |
| 8201202 | traditional bidu (Brazilian soda) | 99 | does not apply | 45 | 45 | 0,2 |
| 8201502 | light orange fanta | 99 | does not apply | 45 | 45 | 0,2 |
| 8201601 | light guarana soda | 99 | does not apply | 45 | 45 | 0,2 |
| 8201602 | light guarana | 99 | does not apply | 45 | 45 | 0,2 |
| 8201802 | traditional tubaína (tutti-frutti soda) | 99 | does not apply | 45 | 45 | 0,2 |
| 8201902 | light tubaína (tutti-frutti soda) | 99 | does not apply | 45 | 45 | 0,2 |
| 8202001 | sugarcane juice | 99 | does not apply | 94 | 68 | 0,7 |
| 8202002 | garapa (sugarcane juice) | 99 | does not apply | 94 | 68 | 0,7 |
| 8202101 | coconut water | 99 | does not apply | 94 | 207 | 0,7 |
| 8202402 | q-suco (powdered drink mix) | 99 | does not apply | 16 | 51 | 1,9 |
| 8202403 | q-refresko (powdered drink mix) | 99 | does not apply | 16 | 51 | 1,9 |
| 8202602 | nescafé (instant coffee) | 99 | does not apply | 0 | 2 | 0,0 |
| 8202803 | yerba mate | 99 | does not apply | 3 | 2 | 0,0 |
| 8202804 | chimarrão (hot mate infused drink) | 99 | does not apply | 3 | 2 | 0,0 |
| 8202805 | tererê (cold mate infused drink) | 99 | does not apply | 3 | 2 | 0,0 |
| 8203401 | brewer's yeast | 99 | does not apply | 17 | 382 | 2,4 |
| 8203501 | unspecified soda | 99 | does not apply | 90 | 45 | 0,2 |
| 8203603 | barley powder | 99 | does not apply | 0 | 0 | 0,0 |
| 8204503 | chocomilk (chocolate milk) | 99 | does not apply | 79 | 152 | 5,8 |
| 8204902 | traditional tonic water | 99 | does not apply | 45 | 45 | 0,2 |
| 8205201 | diet tea (black, camomile, lemon balm etc.) | 99 | does not apply | 33 | 740 | 4,7 |
| 8205402 | traditional paraguai soda (Brazilian soda) | 99 | does not apply | 45 | 45 | 0,2 |
| 8205803 | gatorade | 99 | does not apply | 48 | 152 | 5,8 |
| 8205901 | energy drink | 99 | does not apply | 48 | 152 | 5,8 |
| 8206301 | tea (black, camomile, lemon balm etc.) | 99 | does not apply | 3 | 2 | 0,0 |
| 8206402 | cappuccino (instant coffee) | 99 | does not apply | 19 | 122 | 0,7 |
| 8207401 | diet guarana soda | 99 | does not apply | 45 | 45 | 0,2 |
| 8207402 | diet guarana | 99 | does not apply | 45 | 45 | 0,2 |
| 8207601 | diet lemon soda | 99 | does not apply | 26 | 45 | 0,2 |
| 8207705 | light grape fanta | 99 | does not apply | 45 | 45 | 0,2 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|---------------------------------------------------------|----------|-------------------------|-----|-----|-----|
| 8208104 | light mate (iced tea) | 99 | does not apply | 45 | 45 | 0,2 |
| 8209002 | light tonic water | 99 | does not apply | 45 | 45 | 0,2 |
| 8209102 | light paraguai soda (Brazilian soda) | 99 | does not apply | 45 | 45 | 0,2 |
| 8211002 | light q-suco (powdered drink mix) | 99 | does not apply | 16 | 51 | 1,9 |
| 8211003 | light q-refresko (powdered drink mix) | 99 | does not apply | 16 | 51 | 1,9 |
| 8211102 | diet q-suco (powdered drink mix) | 99 | does not apply | 2 | 7 | 0,3 |
| 8212401 | light cappuccino (instant coffee) | 99 | does not apply | 19 | 122 | 0,7 |
| 8212501 | diet cappuccino (instant coffee) | 99 | does not apply | 19 | 122 | 0,7 |
| 8212902 | diet tonic water | 99 | does not apply | 45 | 45 | 0,2 |
| 8212906 | dietary quinine soda | 99 | does not apply | 45 | 45 | 0,2 |
| 8213003 | organic mate tea | 99 | does not apply | 3 | 2 | 0,0 |
| 8213004 | organic chimarrão (hot mate infused drink) | 99 | does not apply | 3 | 2 | 0,0 |
| 8213601 | chlorophyll juice | 99 | does not apply | 94 | 68 | 0,7 |
| 8273902 | coffee with flour | 99 | does not apply | 36 | 278 | 1,3 |
| | alcoholic drinks | | | | | |
| 8300101 | beer (alcoholic or non-alcoholic) | 99 | does not apply | 125 | 45 | 0,5 |
| 8300201 | draft beer | 99 | does not apply | 125 | 45 | 0,5 |
| 8300301 | aguardente (Brazilian high alcohol content beverage) | 99 | does not apply | 530 | 50 | 4,1 |
| 8300302 | cachaça (Brazilian distilled spirit) | 99 | does not apply | 530 | 50 | 4,1 |
| 8300501 | any flavoured batida (Brazilian cocktail) | 99 | does not apply | 530 | 50 | 4,1 |
| 8300701 | rum | 99 | does not apply | 530 | 50 | 4,1 |
| 8300801 | vodka | 99 | does not apply | 530 | 50 | 4,1 |
| 8301001 | whiskey | 99 | does not apply | 300 | 50 | 4,1 |
| 8301002 | whiskey | 99 | does not apply | 300 | 50 | 4,1 |
| 8301201 | champagne | 99 | does not apply | 220 | 50 | 1,6 |
| 8301202 | cider champagne | 99 | does not apply | 140 | 50 | 2,2 |
| 8301501 | martini | 99 | does not apply | 530 | 50 | 4,1 |
| 8301601 | cognac | 99 | does not apply | 759 | 50 | 4,1 |
| 8301701 | drink dreher (cognac) | 99 | does not apply | 530 | 50 | 4,1 |
| 8301901 | liquor (any flavour) | 99 | does not apply | 530 | 50 | 4,1 |
| 8302409 | cajuína (cashew apples drink) | 99 | does not apply | 530 | 50 | 4,1 |
| 8302415 | wine | 99 | does not apply | 220 | 41 | 1,6 |
| 8302416 | catuaba (bark infusion drink) | 99 | does not apply | 530 | 50 | 4,1 |
| 8302901 | fruit cocktail | 99 | does not apply | 530 | 50 | 4,1 |
| 8303101 | caipirinha (Brazilian cocktail) | 99 | does not apply | 530 | 50 | 4,1 |
| 8303501 | alcoholic beverage | 99 | does not apply | 300 | 79 | 2,2 |
| 8303615 | organic wine | 99 | does not apply | 220 | 41 | 1,6 |
| 8304301 | light beer (alcoholic or non-alcoholic) | 99 | does not apply | 125 | 45 | 0,5 |
| 8304502 | caxiri (manioc brandy) | 99 | does not apply | 530 | 50 | 4,1 |
| | oils and fats | | | | | |
| 8400101 | | 99 | does not apply | 294 | 736 | 7,5 |
| | Cor | atinua . | | | | |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|-------------------------------------------------------|------|-------------------------|------|------|------|
| 8400301 | soy oil | 99 | does not apply | 169 | 429 | 3,8 |
| 8401801 | lard | 99 | does not apply | 257 | 440 | 6,0 |
| 8403001 | tallow | 99 | does not apply | 257 | 706 | 6,0 |
| 8403201 | unspecified oil | 99 | does not apply | 187 | 782 | 3,8 |
| 8403501 | palm oil | 99 | does not apply | 253 | 552 | 6,0 |
| | miscellaneous | | | | | |
| 8500201 | puffed snack | 99 | does not apply | 180 | 127 | 0,9 |
| 8500202 | pastel (Brazilian fried dough with cheese, beef etc.) | 99 | does not apply | 953 | 173 | 1,1 |
| 8500203 | croquettte | 99 | does not apply | 953 | 173 | 1,1 |
| 8500205 | coxinha (Brazilian chicken croquette) | 99 | does not apply | 360 | 173 | 1,1 |
| 8500206 | Brazilian pot pie (cheese, beef, shrimp etc.) | 99 | does not apply | 953 | 173 | 1,1 |
| 8500207 | rissole (croquette with cheese, beef, shrimp etc.) | 99 | does not apply | 953 | 173 | 1,1 |
| 8500209 | acarajé (fried black-eyed peas dough) | 99 | does not apply | 180 | 127 | 0,9 |
| 8500210 | torresmo (pork crackling) | 99 | does not apply | 1039 | 736 | 1,9 |
| 8500211 | kibbeh | 99 | does not apply | 1450 | 1280 | 5,2 |
| 8500212 | abara (black-eyed peas dumpling) | 99 | does not apply | 1187 | 111 | 11,9 |
| 8500213 | paçoca de carne de sol (shredded jerked beef) | 99 | does not apply | 788 | 724 | 1,9 |
| 8500215 | fried polenta | 99 | does not apply | 76 | 192 | 1,0 |
| 8500217 | corn polenta | 99 | does not apply | 49 | 97 | 0,6 |
| 8500218 | polenta | 99 | does not apply | 76 | 192 | 1,0 |
| 8500222 | sfiha | 99 | does not apply | 953 | 173 | 1,1 |
| 8500223 | beef sfiha | 99 | does not apply | 953 | 173 | 1,1 |
| 8500224 | cheese sfiha | 99 | does not apply | 953 | 173 | 1,1 |
| 8500225 | ricotta sfiha | 99 | does not apply | 953 | 173 | 1,1 |
| 8500226 | chicken sfiha | 99 | does not apply | 953 | 173 | 1,1 |
| 8500227 | enroladinho (stuffed baked dough) | 99 | does not apply | 953 | 173 | 1,1 |
| 8500228 | fried cassava balls | 99 | does not apply | 150 | 227 | 1,2 |
| 8500232 | fried codfish balls | 99 | does not apply | 229 | 98 | 10,1 |
| 8500302 | hot dog | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500303 | hamburger (sandwich) | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500304 | cheeseburger | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500305 | egg burger | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500307 | bauru (Brazilian roast beef sandwich) | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500308 | americano (ham, cheese, salad and egg sandwich) | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500313 | ham and cheese sandwich (grilled or cold) | 99 | does not apply | 180 | 127 | 0,9 |
| 8500315 | queijo prato (Brazilian soft cheese) sandwich | 99 | does not apply | 180 | 127 | 0,9 |
| 8500316 | salami sandwich | 99 | does not apply | 180 | 127 | 0,9 |
| 8500317 | ham sandwich | 99 | does not apply | 180 | 127 | 0,9 |
| 8500318 | queijo prato (soft cheese) and ham sandwich | 99 | does not apply | 180 | 127 | 0,9 |
| 8500319 | mortadella sandwich | 99 | does not apply | 180 | 127 | 0,9 |
| 8500320 | minas cheese sandwich | 99 | does not apply | 180 | 127 | 0,9 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|--------------------------------------------------|------|-------------------------|------|------|-----|
| 8500321 | cheese egg (hamburger, cheese and eggs sandwich) | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500322 | cheese tudo (hamburger sandwich with toppings) | 99 | does not apply | 900 | 1280 | 5,2 |
| 8500323 | cold sandwich | 99 | does not apply | 44 | 152 | 0,9 |
| 8500401 | juice | 99 | does not apply | 22 | 17 | 0,4 |
| 8500402 | pineapple juice | 99 | does not apply | 31 | 27 | 0,2 |
| 8500403 | acerola juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8500404 | beetroot juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8500405 | cupuaçu juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8500406 | guava juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8500407 | orange juice | 99 | does not apply | 26 | 24 | 0,2 |
| 8500408 | orange and banana juice | 99 | does not apply | 49 | 48 | 0,3 |
| 8500409 | orange and beetroot juice | 99 | does not apply | 24 | 40 | 0,2 |
| 8500410 | orange and carrot juice | 99 | does not apply | 27 | 38 | 0,2 |
| 8500411 | orange, carrot and beetroot juice | 99 | does not apply | 25 | 46 | 0,2 |
| 8500412 | papaya juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8500413 | mango juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8500414 | passion fruit juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8500415 | melon juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8500416 | strawberry juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8500417 | peach juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8500418 | peaches in syrup juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8500501 | smoothie | 99 | does not apply | 123 | 132 | 0,7 |
| 8500503 | banana smoothie | 99 | does not apply | 123 | 132 | 0,7 |
| 8500504 | banana oatmeal smoothie | 99 | does not apply | 116 | 139 | 0,7 |
| 8500505 | papaya smoothie | 99 | does not apply | 124 | 102 | 0,7 |
| 8500506 | avocado smoothie | 99 | does not apply | 99 | 132 | 0,8 |
| 8500507 | strawberry smoothie | 99 | does not apply | 103 | 109 | 0,6 |
| 8500508 | mixed fruit smoothie | 99 | does not apply | 123 | 132 | 0,7 |
| 8500509 | apple smoothie | 99 | does not apply | 93 | 98 | 0,6 |
| 8500601 | powdered drink mix | 99 | does not apply | 48 | 152 | 5,8 |
| 8500602 | cashew powdered drink mix | 99 | does not apply | 48 | 152 | 5,8 |
| 8500603 | red currant powdered drink mix | 99 | does not apply | 48 | 152 | 5,8 |
| 8500604 | orange powdered drink mix | 99 | does not apply | 48 | 152 | 5,8 |
| 8500605 | passion fruit powdered drink mix | 99 | does not apply | 48 | 152 | 5,8 |
| 8500606 | lemon powdered drink mix | 99 | does not apply | 48 | 152 | 5,8 |
| 8500801 | cooked salad or vegetable, except fruit | 99 | does not apply | 81 | 240 | 1,1 |
| 8500802 | mayonnaise salad | 99 | does not apply | 125 | 120 | 1,1 |
| 8500903 | pizza | 99 | does not apply | 440 | 127 | 0,9 |
| 8500904 | lasagna | 99 | does not apply | 2155 | 1365 | 8,4 |
| 8500905 | gnocchi | 99 | does not apply | 69 | 107 | 0,6 |
| 8500906 | cannelloni | 99 | does not apply | 150 | 173 | 1,1 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|--------------------------------------------------------------------|----------|-------------------------|------|------|------|
| 8500907 | capeletti | 99 | does not apply | 1895 | 1303 | 8,2 |
| 8500909 | ravioli | 99 | does not apply | 150 | 173 | 1,1 |
| 8500910 | calzone | 99 | does not apply | 150 | 173 | 1,1 |
| 8500913 | pancake | 99 | does not apply | 1969 | 1379 | 8,7 |
| 8500914 | calabresa (spicy sausage) pizza | 99 | does not apply | 570 | 127 | 0,9 |
| 8500915 | mozzarella pizza | 99 | does not apply | 400 | 160 | 0,9 |
| 8500916 | ham pizza | 99 | does not apply | 420 | 127 | 0,9 |
| 8500917 | portuguese (ham, cheese, egg and onion) pizza | 99 | does not apply | 180 | 127 | 0,9 |
| 8500919 | pasta | 99 | does not apply | 488 | 337 | 2,1 |
| 8501004 | poussin | 99 | does not apply | 337 | 447 | 2,7 |
| 8501104 | rib | 99 | does not apply | 4661 | 3141 | 19,5 |
| 8501202 | sweet or salty popcorn | 99 | does not apply | 56 | 125 | 0,3 |
| 8501302 | coffee | 99 | does not apply | 36 | 1226 | 5,2 |
| 8501303 | espresso coffee | 99 | does not apply | 33 | 1226 | 5,2 |
| 8501304 | coffee with milk | 99 | does not apply | 128 | 298 | 1,5 |
| 8501305 | cappuccino coffee | 99 | does not apply | 94 | 611 | 3,4 |
| 8501402 | boiled corn | 99 | does not apply | 94 | 240 | 1,1 |
| 8501502 | French fries | 99 | does not apply | 180 | 127 | 0,9 |
| 8501503 | shoestring potato | 99 | does not apply | 220 | 127 | 0,9 |
| 8501902 | mungunzá (Brazilian hominy pudding) | 99 | does not apply | 154 | 149 | 0,9 |
| 8501903 | canjica (Brazilian hominy pudding) | 99 | does not apply | 154 | 149 | 0,9 |
| 8501904 | curau (sweet corn pudding) | 99 | does not apply | 187 | 275 | 1,5 |
| 8502201 | farofa (seasoned and toasted manioc flour) | 99 | does not apply | 74 | 199 | 1,2 |
| 8502301 | porridge (cornmeal, oatmeal, flour etc.) | 99 | does not apply | 139 | 153 | 0,9 |
| 8502401 | tacacá (dried shrimp soup) | 99 | does not apply | 180 | 127 | 0,9 |
| 8502501 | coconut muffin | 99 | does not apply | 205 | 169 | 1,1 |
| 8502701 | risotto | 99 | does not apply | 234 | 224 | 1,5 |
| 8502801 | vatapá (shrimp creamy paste) | 99 | does not apply | 1772 | 378 | 17,8 |
| 8502901 | ready-to-eat farofa (toasted manioc flour) | 99 | does not apply | 200 | 165 | 1,0 |
| 8503202 | beef broth | 99 | does not apply | 280 | 611 | 3,4 |
| 8503203 | • | 99 | does not apply | 55 | 104 | 0,4 |
| 8503204 | mocotó (cow foot) soup | 99 | does not apply | 1110 | 170 | 8,7 |
| 8503501 | · · · · · · · · · · · · · · · · · · · | 99 | does not apply | 1587 | 1485 | 1,4 |
| 8503801 | barbecue | 99 | does not apply | 4215 | 2825 | 17,5 |
| 8504201 | | 99 | does not apply | 350 | 1280 | 5,2 |
| 8504401 | fruit salad | 99 | does not apply | 72 | 120 | 0,3 |
| 8504501 | soup (vegetables, beef etc.) | 99 | does not apply | 240 | 315 | 1,9 |
| 8504801 | salpicão (chicken, mayonnaise and vegetable salad) | 99 | does not apply | 376 | 423 | 3,1 |
| 8505201 | cabbage roll | 99 | does not apply | 1423 | 958 | 6,0 |
| 8505401 | rice pilaf arrumadinho (cassava, cassava flour, vinaigrette and | 99 | does not apply | 112 | 78 | 0,5 |
| 8505501 | cowpeas) | 99 •• | does not apply | 712 | 629 | 2,1 |
| | Cont | inne | | | | |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|-------------------------------------------------------|------|-------------------------|------|------|------|
| 8505601 | bobo de camarão (shrimp and manioc purée) | 99 | does not apply | 2895 | 61 | 29,1 |
| 8505701 | caruru (okra, shrimp, palm oil and toasted nuts) | 99 | does not apply | 1498 | 674 | 14,8 |
| 8505801 | cuscuz paulista (cornmeal couscous) | 99 | does not apply | 173 | 608 | 2,3 |
| 8505901 | pot pie (cheese, chicken, shrimp, heart of palm etc.) | 99 | does not apply | 953 | 173 | 1,1 |
| 8506001 | banana farofa (seasoned and toasted manioc flour) | 99 | does not apply | 96 | 200 | 1,2 |
| 8506101 | feijão tropeiro (beans, cassava flour, sausage, eggs) | 99 | does not apply | 693 | 629 | 2,1 |
| 8506201 | chicken with rice | 99 | does not apply | 238 | 247 | 1,6 |
| 8506301 | galinhada (stew of rice and chicken) | 99 | does not apply | 238 | 247 | 1,6 |
| 8506401 | moqueca baiana (fish stew) | 99 | does not apply | 416 | 54 | 19,3 |
| 8506501 | omelette | 99 | does not apply | 371 | 330 | 2,5 |
| 8506601 | pirão (cassava flour purée) | 99 | does not apply | 387 | 58 | 11,3 |
| 8506701 | quibebe (winter squash purée) | 99 | does not apply | 44 | 107 | 0,4 |
| 8506801 | quiche | 99 | does not apply | 953 | 173 | 1,1 |
| 8506901 | soufflé | 99 | does not apply | 147 | 167 | 1,1 |
| 8507001 | tutu (beans and cassava/corn flour) | 99 | does not apply | 35 | 102 | 0,3 |
| 8507101 | moqueca capixaba (fish stew) | 99 | does not apply | 418 | 64 | 19,4 |
| 8507201 | maniçoba (manioc leaves and pork) | 99 | does not apply | 1577 | 1253 | 3,9 |
| 8507301 | caldo verde (Brazilian green soup) | 99 | does not apply | 378 | 363 | 1,5 |
| 8507401 | arroz de cuxá (roselle, dried shrimp and rice) | 99 | does not apply | 94 | 85 | 0,5 |
| 8507501 | angu à baiana (ground beef and polenta dish) | 99 | does not apply | 845 | 462 | 4,6 |
| 8507601 | chocolate | 99 | does not apply | 233 | 2643 | 4,6 |
| 8507701 | eggnog | 99 | does not apply | 258 | 238 | 1,6 |
| 8507801 | açai with granola | 99 | does not apply | 206 | 110 | 0,5 |
| 8507901 | organic juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8507902 | organic pineapple juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8507903 | organic acerola juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8507906 | organic guava juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8507907 | organic orange juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8507911 | organic orange, carrot and beetroot juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8507913 | organic mango juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8507914 | organic passion fruit juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8507916 | organic strawberry juice | 99 | does not apply | 31 | 23 | 0,2 |
| 8507917 | organic peach juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8507918 | organic peaches in syrup juice | 99 | does not apply | 16 | 51 | 1,9 |
| 8508003 | light ready-to-eat pizza | 99 | does not apply | 180 | 127 | 0,9 |
| 8508004 | light ready-to-eat lasagna | 99 | does not apply | 1150 | 173 | 1,1 |
| 8508012 | light ready-to-eat pasta | 2 | cooked | 965 | 173 | 1,1 |
| 8508017 | light portuguese pizza | 99 | does not apply | 180 | 127 | 0,9 |
| 8508101 | , , , , , , , , , , , , , , , , , , , , | 99 | does not apply | 200 | 165 | 1,0 |
| 8508301 | vaca atolada (beef ribs and manioc dish) | 99 | does not apply | 2728 | 1860 | 11,6 |
| 8508401 | other boiled vegetables | 99 | does not apply | 52 | 85 | 0,3 |

| Cod_POF | Foods and culinary preparations descriptions | Code | Preparation description | CF | WF | EF |
|---------|----------------------------------------------------------|------|-------------------------|------|------|-----|
| 8508403 | other boiled vegetables | 99 | does not apply | 52 | 85 | 0,3 |
| 8509801 | breakfast | 99 | does not apply | 128 | 298 | 1,5 |
| 8570101 | Brazilian meal | 99 | does not apply | 1572 | 1060 | 6,5 |
| 8570102 | NE (Northeast) meal | 99 | does not apply | 1553 | 1063 | 6,5 |
| 8570103 | N (North) meal | 99 | does not apply | 1559 | 1078 | 6,6 |
| 8570104 | SE (Southeast) meal | 99 | does not apply | 1564 | 1046 | 6,4 |
| 8570105 | S (South) meal | 99 | does not apply | 1572 | 1060 | 6,5 |
| 8570106 | CO (Center-West) meal | 99 | does not apply | 1564 | 1046 | 6,4 |
| 8570107 | rice and beans | 99 | does not apply | 101 | 89 | 0,5 |
| 8570328 | bread with butter | 99 | does not apply | 82 | 199 | 1,1 |
| 8570329 | bread with margarine | 99 | does not apply | 60 | 184 | 0,8 |
| 8570330 | bread with egg | 99 | does not apply | 213 | 268 | 1,5 |
| 8571110 | beef with potato, yam, "baroness potato" or cassava | 99 | does not apply | 2050 | 1406 | 8,7 |
| 8571111 | beef with vegetables (except potato, yam and cassava) | 99 | does not apply | 2039 | 1406 | 8,6 |
| 8571112 | chicken with potato, "baroness potato" or cassava | 99 | does not apply | 281 | 375 | 2,2 |
| 8571113 | chicken with vegetables (except potato, yam and cassava) | 99 | does not apply | 270 | 375 | 2,1 |
| 8578404 | squash with okra | 99 | does not apply | 56 | 111 | 0,4 |
| 8579002 | arroz carreteiro (rice with salted meat) | 99 | does not apply | 1595 | 1460 | 1,5 |
| 8579003 | maria izabel (rice with salted meat) | 99 | does not apply | 1595 | 1460 | 1,5 |
| 8579004 | sweet rice pudding | 99 | does not apply | 124 | 97 | 0,6 |
| 8579005 | rice with cassava | 99 | does not apply | 96 | 75 | 0,6 |
| 8579006 | rice with eggs | 99 | does not apply | 200 | 153 | 1,1 |
| 8800109 | palma (edible species of cactus) | 99 | does not apply | 34 | 80 | 0,2 |

