§ 146.146 Frozen concentrated orange juice.

(a) Frozen concentrated orange juice is the food prepared by removing water from the juice of mature oranges as provided in §146.135, to which may be added unfermented juice obtained from mature oranges of the species Citrus reticulata, other Citrus reticulata hybrids, or of Citrus aurantium, or both. However, in the unconcentrated blend, the volume of juice from Citrus reticulata or Citrus reticulata hybrids shall not exceed 10 percent (except that this limitation shall not apply to the hybrid species described in §146.135) and from Citrus aurantium shall not exceed 5 percent. The concentrate so obtained is frozen. In its preparation, seeds (except embryonic seeds and small fragments of seeds that cannot be separated by good manufacturing practice) and excess pulp are removed, and a properly prepared water extract of the excess pulp so removed may be added. Orange oil, orange pulp, orange essence (obtained from orange juice), orange juice and other orange juice concentrate as provided in this section or concentrated orange juice for manufacturing provided in §146.153 (when made from mature oranges), water, and one or more of the optional sweetening ingredients specified in paragraph (b) of this section may be added to adjust the final composition. The juice of Citrus reticulata and Citrus aurantium, as permitted by this paragraph, may be added in single strength or concentrated form prior to concentration of the Citrus sinensis juice, or in concentrated form during adjustment of the composition of the finished food. The addition of concentrated juice from Citrus reticulata or Citrus aurantium, or both, shall not exceed, on a single-strength basis, the 10 percent maximum for Citrus reticulata and the 5 percent maximum for Citrus aurantium prescribed by this paragraph. Any of the ingredients of the finished concentrate may have been so treated by heat as to reduce substantially the enzymatic activity and the number of viable microorganisms. The finished food is of such concentration that when diluted according to label directions the diluted article will contain not less than 11.8 percent by weight of orange juice soluble solids, exclusive of the solids of any added optional sweetening ingredients. The dilution ratio shall be not less than 3 plus 1. For the purposes of this section and §146.150, the term “dilution ratio” means the whole number of volumes of water per volume of frozen concentrate required to produce orange juice from concentrate having orange juice soluble solids of not less than 11.8 percent by weight exclusive of the solids of any added optional sweetening ingredients.

(b) The optional sweetening ingredients referred to in paragraph (a) of this section are sugar, sugar sirup, invert sugar, invert sugar sirup, dextrose, corn sirup, dried corn sirup, glucose sirup, and dried glucose sirup.

(c) If one or more of the sweetening ingredients specified in paragraph (b) of this section are added to the frozen concentrated orange juice, the label shall bear the statement “____ added”, the blank being filled in with the name or an appropriate combination of names of the sweetening ingredients used. However, for the purpose of this section, the name “sweetener” may be used in lieu of the specific name or names of the sweetening ingredients.

(d) The name of the food concentrated to a dilution ratio of 3 plus 1 is “frozen concentrated orange juice” or “frozen orange juice concentrate”. The name of the food concentrated to a dilution ratio greater than 3 plus 1 is “frozen concentrated orange juice, _____ plus 1” or “frozen orange juice concentrate, _____ plus 1”. The blank being filled in with the whole number showing the dilution ratio; for example, “frozen orange juice concentrate, 4 plus 1”. However, where the label bears directions for making 1 quart of orange juice from concentrate (or multiples of a quart), the blank in the name may be filled in with a mixed number; for example, “frozen orange juice concentrate, 4⅔ plus 1”. For containers larger than 1 pint, the dilution ratio in
§ 146.150 Canned concentrated orange juice.

(a) Canned concentrated orange juice is the food that complies with the requirements of composition, definition of dilution ratio, and labeling of ingredients prescribed for frozen concentrated orange juice by §146.146, except that it is not frozen and it is sealed in containers and so processed by heat, either before or after sealing, so as to prevent spoilage.

(b) The name of the food when concentrated to a dilution ratio of 3 plus 1 is “Canned concentrated orange juice” or “Canned orange juice concentrate”. The name of the food when concentrated to a dilution ratio greater than 3 plus 1 is “Canned concentrated orange juice, __ plus 1” or “Canned orange juice concentrate, __ plus 1”; the blank in the name may be filled in with the whole number showing the dilution ratio; for example, “Canned orange juice concentrate, 4 plus 1”. However, where the label bears directions for making 1 quart of single-strength diluted product (or multiples of a quart) the blank in the name may be filled in with a mixed number; for example, “Canned orange juice concentrate, 4 1/2 plus 1”. For containers larger than 1 pint, the dilution ratio in the name may be replaced by the concentration of orange juice soluble solids in degrees Brix; for example, a 62° Brix concentrate in 1-gallon cans may be named on the label “canned concentrated orange juice, 62° Brix”. If the food does not purport to be frozen concentrated orange juice, the word “canned” may be omitted from the name.

[42 FR 14433, Mar. 15, 1977, as amended at 58 FR 2881, Jan. 6, 1993]

§ 146.151 Orange juice for manufacturing.

(a) Orange juice for manufacturing is the food prepared for further manufacturing use. It is prepared from unfermented juice obtained from oranges as provided in §146.135, except that the oranges may deviate from the standards for maturity in that they are below the minimum for Brix and Brix-acid ratio for such oranges, and to which juice may be added not more than 10 percent by volume of the