rare mixture of calcium pantothenate are used in food. Commercial calcium pantothenate is prepared synthetically from isobutyl rdehyde and formaldehyde via 1,1-dimethyl-2-hydroxy-propionaldehyde and pantolactone.

(b) Calcium pantothenate meets the specifications of the Food Chemicals Codex, 3d Ed. (1981), p. 56, which is incorporated by reference. Copies are available from the National Academy Press, 2101 Constitution Ave. NW., Washington, DC 20418, or available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(c) In accordance with §184.1(b)(1), the ingredient is used in food with no limitation other than current good manufacturing practice. The affirmation of this ingredient as generally recognized as safe (GRAS) as a direct human food ingredient is based upon the following current good manufacturing practice conditions of use:

(1) The ingredient is used as a nutrient supplement as defined in §170.3(o)(20) of this chapter.
(2) The ingredient is used in foods at levels not to exceed current good manufacturing practice: baked goods as defined in §170.3(n)(1) of this chapter; cheeses as defined in §170.3(n)(5) of this chapter; confections and frostings as defined in §170.3(n)(9) of this chapter; gelatins, puddings, and fillings as defined in §170.3(n)(22) of this chapter; and jams and jellies as defined in §170.3(n)(28) of this chapter.

d) Prior sanctions for this ingredient different from the uses established in this section do not exist or have been waived.

[49 FR 13141, Apr. 3, 1984]

§ 184.1229 Calcium stearate.

(a) Calcium stearate (Ca(C_{17}H_{35}COO)_2, CAS Reg. No. 1529–23–0) is the calcium salt of stearic acid derived from edible sources. It is prepared as a white precipitate by mixing calcium chloride and sodium stearate in aqueous solution.

(b) The ingredient meets the specifications of the Food Chemicals Codex, 3d Ed. (1981), p. 64, which is incorporated by reference. Copies are available from the National Academy Press, 2101 Constitution Ave. NW., Washington, DC 20418, or available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(c) In accordance with §184.1(b)(1), the ingredient is used in food with no limitation other than current good manufacturing practice. The affirmation of this ingredient as generally recognized as safe (GRAS) as a direct human food ingredient is based upon the following current good manufacturing practice conditions of use:

(1) The ingredient is used as an antimicrobial agent as defined in §170.3(o)(2) of this chapter.
(2) The ingredient is used in the following foods at levels not to exceed current good manufacturing practice: baked goods as defined in §170.3(n)(1) of this chapter; cheeses as defined in §170.3(n)(5) of this chapter; confections and frostings as defined in §170.3(n)(9) of this chapter; gelatins, puddings, and fillings as defined in §170.3(n)(22) of this chapter; and jams and jellies as defined in §170.3(n)(28) of this chapter.

d) Prior sanctions for this ingredient different from the uses established in this section do not exist or have been waived.

[8 FR 51908, Nov. 15, 1983]
§ 184.1240  Carbon dioxide.

(a) Carbon dioxide (empirical formula CO₂, CAS Reg. No. 124–38–9) occurs as a colorless, odorless, noncombustible gas at normal temperatures and pressures. The solid form, dry ice, sublimes under atmospheric pressure at a temperature of −78.5 °C. Carbon dioxide is prepared

(c) The ingredient is used as an anticaking agent as defined in §170.3(o)(1) of this chapter, color and coloring adjunct as defined in §170.3(o)(4) of this chapter, dough strengtheners as defined in §170.3(o)(6) of this chapter, drying agent as defined in §170.3(o)(7) of this chapter, firming agent as defined in §170.3(o)(10) of this chapter, flour treating agent as defined in §170.3(o)(13) of this chapter, formulation aid as defined in §170.3(o)(14) of this chapter, leavening agent as defined in §170.3(o)(17) of this chapter, nutrient supplement as defined in §170.3(o)(20) of this chapter, pH control agent as defined in §170.3(o)(23) of this chapter, processing aid as defined in §170.3(o)(24) of this chapter, stabilizer and thickeners as defined in §170.3(o)(28) of this chapter, synergist as defined in §170.3(o)(31) of this chapter, and texturizer as defined in §170.3(o)(32) of this chapter.

(d) The ingredient is used in food at levels not to exceed good manufacturing practice in accordance with §184.1(b)(1). Current good manufacturing practice results in a maximum level, as served, of 1.3 percent for baked goods as defined in §170.3(n)(1) of this chapter, 3.0 percent for confections and frostings as defined in §170.3(n)(9) of this chapter, 0.5 percent for frozen dairy desserts and mixes as defined in §170.3(n)(20) of this chapter, 0.4 percent for gelatins and puddings as defined in §170.3(n)(22) of this chapter, 0.5 percent for grain products and pastas as defined in §170.3(n)(23) of this chapter, 0.35 percent for processed vegetables as defined in §170.3(n)(36) of this chapter, and 0.97 percent or less for all other food categories.

(e) Prior sanctions for this ingredient different from the uses established in this section do not exist or have been waived.