of additive solids per million parts of sugar solids.

[50 FR 29209, July 18, 1985]

§ 173.73 Sodium polyacrylate.

Sodium polyacrylate (CAS Reg. No. 9003–04–7) may be safely used in food in accordance with the following prescribed conditions:

(a) The additive is produced by the polymerization of acrylic acid and subsequent hydrolysis of the polyacrylic acid with an aqueous sodium hydroxide solution. As determined by a method entitled “Determination of Weight Average and Number Average Molecular Weight of Sodium Polyacrylate,” which is incorporated by reference in accordance with 5 U.S.C. 552(a), the additive has—

(1) A weight average molecular weight of 2,000 to 2,300; and

(2) A weight average molecular weight to number average molecular weight ratio of not more than 1.3. Copies of the method are available from the Center for Food Safety and Applied Nutrition (HFS–200), Food and Drug Administration, 5100 Paint Branch Pkwy., College Park, MD 20740, 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.

(b) The additive is used to control mineral scale during the evaporation of beet sugar juice or cane sugar juice in the production of sugar in an amount not to exceed 3.6 parts per million by weight of the raw juice.

[51 FR 11720, Apr. 7, 1986]

Subpart B—Enzyme Preparations and Microorganisms

§ 173.110 Amyloglucosidase derived from Rhizopus niveus.

Amyloglucosidase enzyme product, consisting of enzyme derived from Rhizopus niveus, and diatomaceous silica as a carrier, may be safely used in food in accordance with the following conditions:

(a) Rhizopus niveus is classified as follows: Class, Phycymycetes; order, Mucorales; family, Mucoraceae; genus, Rhizopus; species, niveus.

(b) The strain of Rhizopus niveus is nonpathogenic and nontoxic in man or other animals.

(c) The enzyme is produced by a process which completely removes the organism Rhizopus niveus from the amyloglucosidase.

(d) The additive is used for degrading gelatinized starch into constituent sugars, in the production of distillated spirits and vinegar.

(e) The additive is used at a level not to exceed 0.1 percent by weight of the gelatinized starch.


§ 173.115 Alpha-acetolactate decarboxylase (α-ALDC) enzyme preparation derived from recombinant Bacillus subtilis.

The food additive alpha-acetolactate decarboxylase (α-ALDC) enzyme preparation derived from a recombinant Bacillus subtilis.

(a) The food additive is the enzyme preparation derived from a modified Bacillus subtilis strain that contains the gene coding for α-ALDC from Bacillus brevis.