

§ 133.152 Limburger cheese.

(a) *Description.* (1) Limburger cheese is the food prepared by one of the procedures set forth in paragraph (a)(3) of this section, or by any other procedure which produces a finished cheese having the same physical and chemical properties. The minimum milkfat content is 50 percent by weight of the solids and the maximum moisture content is 50 percent by weight, as determined by the methods described in §133.5. If the dairy ingredients used are not pasteurized, the cheese is cured at a temperature of not less than 35 °F for at least 60 days.

(2) If pasteurized dairy ingredients are used, the phenol equivalent value of 0.25 gram of limburger cheese is not more than 4 micrograms as determined by the method described in §133.5.

(3) One of the following procedures may be followed for producing limburger cheese:

(i) One or more of the dairy ingredients, unpasteurized, specified in paragraph (b)(1) of this section is warmed to about 92 °F and subjected to the action of a lactic acid-producing bacterial culture. One or more of the clotting enzymes specified in paragraph (b)(2) of this section is added to set the dairy ingredients to a semisolid mass. The mass is cut into cubes with sides approximately one-half inch long. After a few minutes the mass is stirred and heated, gradually raising the temperature to 96° to 98 °F. The curd is then allowed to settle, most of the whey is drained off, and the remaining curd and whey dipped into molds. During drainage the curd may be pressed. It is turned at regular intervals. After drainage the curd is cut into pieces of desired size and dry-salted at intervals for 24 to 48 hours. The cheese is then cured with frequent applications of a weak brine solution to the surface, until the proper growth of surface-curing organisms is obtained. It is then wrapped and held in storage for development of as much additional flavor as is desired. One or more of the other optional ingredients specified in paragraph (b)(3) of this section may be added during the procedure.

(ii) One or more of the dairy ingredients specified in paragraph (b)(1) of this section is pasteurized, brought to

a temperature of 89° to 90 °F. after pasteurization, and is subjected to the action of a lactic acid-producing bacterial culture. The procedure is then the same as in paragraph (a)(3)(i) of this section, except that heating is to 94 °F. After most of the whey is drained off, salt brine at a temperature of 66° to 70 °F is added, so that the pH of the curd is about 4.8. The mixed curd, whey, and brine is dipped into molds, and the remaining procedure specified in paragraph (a)(3)(i) of this section is followed.

(b) *Optional ingredients.* The following safe and suitable ingredients may be used:

(1) *Dairy ingredients.* Milk, nonfat milk, or cream, as defined in §133.3, used alone or in combination.

(2) *Clotting enzymes.* Rennet and/or other clotting enzymes of animal, plant, or microbial origin.

(3) *Other optional ingredients.* (i) Coloring.

(ii) Calcium chloride in an amount not more than 0.02 percent (calculated as anhydrous calcium chloride) by weight of the dairy ingredients, used as a coagulation aid.

(iii) Enzymes of animal, plant, or microbial origin, used in curing or flavor development.

(c) *Nomenclature.* The name of the food is "limburger cheese".

(d) *Label declaration.* Each of the ingredients used in the food shall be declared on the label as required by the applicable sections of parts 101 and 130 of this chapter, except that:

(1) Enzymes of animal, plant, or microbial origin may be declared as "enzymes"; and

(2) The dairy ingredients may be declared, in descending order of predominance, by the use of the terms "milkfat and nonfat milk" or "nonfat milk and milkfat", as appropriate.

[48 FR 2744, Jan. 21, 1983; 48 FR 11426, Mar. 18, 1983, as amended at 58 FR 2893, Jan. 6, 1993]

§ 133.153 Monterey cheese and monterey jack cheese.

(a) *Description.* (1) Monterey cheese, monterey jack cheese is the food prepared by the procedure set forth in paragraph (a)(3) of this section, or by any other procedure which produces a

finished cheese having the same physical and chemical properties. The minimum milkfat content is 50 percent by weight of the solids, and the maximum moisture content is 44 percent by weight, as determined by the methods described in §133.5. The dairy ingredients used are pasteurized.

(2) The phenol equivalent of 0.25 gram of monterey cheese is not more than 3 micrograms, as determined by the method described in §133.5.

(3) One or more of the dairy ingredients specified in paragraph (b)(1) of this section is subjected to the action of a lactic acid-producing bacterial culture. One or more of the clotting enzymes specified in paragraph (b)(2) of this section is added to set the dairy ingredients to a semisolid mass. The mass is so cut, stirred, and heated with continued stirring, as to promote and regulate the separation of whey and curd. Part of the whey is drained off, and water or salt brine may be added. The curd is drained and placed in a muslin or sheeting cloth, formed into a ball, and pressed; or the curd is placed in a cheese hoop and pressed. Later, the cloth bandage is removed, and the cheese may be covered with a suitable coating. One or more of the other optional ingredients specified in paragraph (b)(3) of this section may be added during the procedure.

(b) *Optional ingredients.* The following safe and suitable ingredients may be used:

(1) *Dairy ingredients.* Milk, nonfat milk, or cream, as defined in §133.3, used alone or in combination.

(2) *Clotting enzymes.* Rennet and/or other clotting enzymes of animal, plant, or microbial origin.

(3) *Other optional ingredients.* (i) Calcium chloride in an amount not more than 0.02 percent (calculated as anhydrous calcium chloride) by weight of the dairy ingredients, used as a coagulation aid.

(ii) Enzymes of animal, plant, or microbial origin, used in curing or flavor development.

(iii) Salt.

(iv) Antimycotic agents, the cumulative levels of which shall not exceed current good manufacturing practice, may be added to the surface of the cheese.

(v) Vegetable oil, with or without rice flour sprinkled on the surface, used as a coating for the rind.

(c) *Nomenclature.* The name of the food is "monterey cheese" or alternatively, "monterey jack cheese".

(d) *Label declaration.* Each of the ingredients used in the food shall be declared on the label as required by the applicable sections of parts 101 and 130 of this chapter, except that:

(1) Enzymes of animal, plant, or microbial origin may be declared as "enzymes", and

(2) The dairy ingredients may be declared, in descending order of predominance, by the use of the terms "milkfat and nonfat milk" or "nonfat milk and milkfat", as appropriate.

[54 FR 32056, Aug. 4, 1989, as amended at 58 FR 2893, Jan. 6, 1993]

§ 133.154 High-moisture jack cheese.

High-moisture jack cheese conforms to the definition and standard of identity and is subject to the requirement for label statement of ingredients prescribed for monterey cheese by §133.153, except that its moisture content is more than 44 percent but less than 50 percent.

[58 FR 2893, Jan. 6, 1993]

§ 133.155 Mozzarella cheese and scamorza cheese.

(a) *Description.* (1) Mozzarella cheese, scamorza cheese is the food prepared from dairy ingredients and other ingredients specified in this section by the procedure set forth in paragraph (a)(3) of this section, or by any other procedure which produces a finished cheese having the same physical and chemical properties. It may be molded into various shapes. The minimum milkfat content is 45 percent by weight of the solids, and the moisture content is more than 52 percent but not more than 60 percent by weight as determined by the methods described in §133.5. The dairy ingredients are pasteurized.

(2) The phenol equivalent value of 0.25 gram of mozzarella cheese is not more than 3 micrograms as determined by the method described in §133.5.

(3) One or more of the dairy ingredients specified in paragraph (b)(1) of