§ 73.300 Carrot oil.

(a) Identity. (1) The color additive carrot oil is the liquid or the solid portion of the mixture or the mixture itself obtained by the hexane extraction of edible carrots (Daucus carota L.) with subsequent removal of the hexane by vacuum distillation. The resultant mixture of solid and liquid extractives consists chiefly of oils, fats, waxes, and carotenoids naturally occurring in carrots. The definition of carrot oil in this paragraph is for the purpose of identity as a color additive only and shall not be construed as setting forth an official standard for carrot oil or carrot oleoresin under section 401 of the act.

(2) Color additive mixtures for food use made with carrot oil may contain only those diluents listed in this subpart as safe and suitable in color additive mixtures for coloring foods.

(b) Specifications. Carrot oil shall contain no more than 25 parts per million of hexane.

(c) Uses and restrictions. Carrot oil is a reddish-brown liquid composed chiefly of glycerides, fatty acids, sitosterols, and carotenoid pigments obtained by isopropyl alcohol and hexane extraction from the gluten fraction of yellow corn grain. The definition of corn endosperm oil in this paragraph is for the purpose of definition as a color additive only and shall not be construed as a food standard of identity under section 401 of the act.

§ 73.315 Corn endosperm oil.

(a) Identity. (1) The color additive corn endosperm oil is the liquid or the solid portion of the mixture or the mixture itself obtained by the hexane extraction of edible carrots (Daucus carota L.) with subsequent removal of the hexane by vacuum distillation. The resultant mixture of solid and liquid extractives consists chiefly of oils, fats, waxes, and carotenoids naturally occurring in carrots. The definition of carrot oil in this paragraph is for the purpose of identity as a color additive only and shall not be construed as setting forth an official standard for carrot oil or carrot oleoresin under section 401 of the act.

(2) Color additive mixtures for food use made with corn endosperm oil may contain only those diluents listed in this subpart as safe and suitable in color additive mixtures for coloring foods.

(b) Specifications. Corn endosperm oil conforms to the following specifications:

- Total fatty acids, not less than 85 percent.
- Iodine value, 118 to 134.
- Saponification value, 165 to 185.
- Unsaponifiable matter, not more than 14 percent.
- Hexane, not more than 25 parts per million.
- Isopropyl alcohol, not more than 100 parts per million.
(c) **Uses and restrictions.** The color additive corn endosperm oil may be safely used in chicken feed in accordance with the following prescribed conditions:

1. The color additive is used to enhance the yellow color of chicken skin and eggs.
2. The quantity of the color additive incorporated in the feed is such that the finished feed is supplemented sufficiently with xanthophyll and associated carotenoids so as to accomplish the intended effect described in paragraph (c)(1) of this section.

(d) **Labeling requirements.** The label of the color additive and any premixes prepared therefrom shall bear, in addition to the information required by §70.25 of this chapter, a statement of the concentration of xanthophyll contained therein.

(e) **Exemption from certification.** Certification of this color additive is not necessary for the protection of the public health, and therefore batches thereof are exempt from the certification requirements of section 721(c) of the act.

§ 73.345 Paprika oleoresin.

(a) **Identity.** (1) The color additive paprika oleoresin is the combination of flavor and color principles obtained from paprika (Capsicum annuum L.) by extraction, using any one or a combination of the following solvents:

- Acetone
- Ethyl alcohol
- Ethylene dichloride
- Hexane
- Isopropyl alcohol
- Methyl alcohol
- Methylene chloride
- Trichloroethylene

The definition of paprika oleoresin in this paragraph is for the purpose of identity as a color additive only, and shall not be construed as setting forth an official standard for paprika oleoresin under section 401 of the act.

(b) **Specifications.** Paprika oleoresin shall contain no more residue of the solvents listed in paragraph (a)(1) of this section than is permitted of the corresponding solvents in spice oleoresins under applicable food additive regulations in parts 170 through 189 of this chapter.

(c) **Uses and restrictions.** Paprika oleoresin may be safely used for the coloring of foods generally in amounts consistent with good manufacturing practice, except that it may not be used to color foods for which standards of identity have been promulgated under section 401 of the act, unless the use of added color is authorized by such standards.

(d) **Labeling.** The color additive and any mixtures intended solely or in part for coloring purposes prepared therefrom shall bear, in addition to the other information required by the act, labeling in accordance with the provisions of §70.25 of this chapter.