§ 520.110  Apramycin sulfate soluble powder.

(a) Specifications. A water soluble powder used to make a medicated drinking water containing apramycin sulfate equivalent to 0.375 gram of apramycin activity per gallon of drinking water.

(b) Sponsor. See No. 000986 in § 510.600(c) of this chapter.

(c) Related tolerances. See § 556.52 of this chapter.

(d) Conditions of use. (1) In swine for control of porcine colibacillosis (weanling pig scours) caused by strains of E. coli sensitive to apramycin.

(2) It is administered for 7 days in drinking water at the rate of 12.5 milligrams of apramycin per kilogram (5.7 milligrams per pound) of body weight per day. Swine will normally consume 1 gallon per day of medicated water containing 375 milligrams of apramycin for each 66 pounds of body weight. Water consumption should be monitored to determine that the required amount of apramycin is being consumed. The drug concentration should be adjusted according to water consumption which varies depending on ambient temperature, humidity, and other factors.

(3) Prepare fresh medicated water daily.

(4) Do not slaughter treated swine for 28 days following treatment.

§ 520.154  Bacitracin oral dosage forms.

§ 520.154a  Soluble bacitracin methylene disalicylate.

(a) Specifications. Each pound of soluble powder contains the equivalent of 50 grams of bacitracin activity for use as in paragraph (d)(1) or (d)(2) of this section, or the equivalent of 200 grams of bacitracin activity for use as in paragraph (d)(3) of this section.

(b) Sponsor. See No. 046573 in § 510.600(c) of this chapter.

(c) Related tolerances. See § 556.70 of this chapter.

(d) Conditions of use—(1) Growing turkeys—(i) Amount. 400 milligrams per gallon in drinking water.

(ii) Indications for use. Aid in the control of transmissible enteritis complicated by organisms susceptible to bacitracin methylene disalicylate.

(iii) Limitations. Prepare a fresh solution daily.

(2) Broiler chickens—(i) Amount. 100 milligrams per gallon in drinking water.

(A) Indications for use. Aid in the prevention of necrotic enteritis caused by Clostridium perfringens susceptible to bacitracin methylene disalicylate.

(B) Limitations. Prepare a fresh solution daily.

(ii) Amount. 200 to 400 milligrams per gallon in drinking water.

(A) Indications for use. Aid in the control of necrotic enteritis caused by C. perfringens susceptible to bacitracin methylene disalicylate.

(B) Limitations. Prepare a fresh solution daily.

(3) Swine—(i) Amount. 1 gram per gallon in drinking water.

(ii) Indications for use. Treatment of swine dysentery associated with Treponema hyodysenteriae. Administer
continuously for 7 days or until signs of dysentery disappear.

(iii) Limitations. Prepare a fresh solution daily. Treatment not to exceed 14 days. If symptoms persist after 4 to 5 days consult a veterinarian. Not to be given to swine that weigh more than 250 pounds.

[57 FR 37322, Aug. 18, 1992; 57 FR 42623, Sept. 15, 1992]

§ 520.154b Soluble bacitracin methylene disalicylate and streptomycin sulfate oral powder.

(a) Specifications. Each gram contains 200 units of soluble bacitracin methylene disalicylate, streptomycin sulfate equivalent to 20 milligrams of streptomycin, and 850 milligrams of carob flour.

(b) Sponsor. See No. 011716 in § 510.600(c) of this chapter.

(c) Conditions of use. Dogs—(1) Amount. 1 level teaspoonful per 10 pounds of body weight three times daily, mixed in a small quantity of liquid or feed.

(2) Indications for use. Treatment of bacterial enteritis caused by pathogens susceptible to bacitracin and streptomycin such as Escherichia coli, Proteus spp., Staphylococcus spp., and Streptococcus spp., and for the symptomatic treatment of associated diarrhea.

(3) Limitations. If no improvement is noted in 2 to 3 days, diagnosis should be reevaluated. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

[57 FR 37322, Aug. 18, 1992]

§ 520.154c Bacitracin zinc soluble powder.

(a) Specifications. Each pound contains the equivalent of not less than 5 grams of bacitracin.

(b) Sponsor. See No. 010042 in § 510.600(c) of this chapter.

(c) Related tolerances. See § 556.70 of this chapter.

(d) Conditions of use. (1) Broiler chickens—(i) Amount. 100 milligrams per gallon in drinking water.

(ii) Indications for use. Control of necrotic enteritis caused by Clostridium perfringens susceptible to bacitracin zinc.

(iii) Limitations. Prepare a fresh solution daily.

(2) Growing quail—(i) Amount. 500 milligrams per gallon in drinking water for 5 days followed by 165 milligrams per gallon in drinking water for 10 days.

(ii) Indications for use. Control of ulcerative enteritis caused by Clostridium spp. susceptible to bacitracin zinc.

(iii) Limitations. Prepare a fresh solution daily.

[57 FR 37322, Aug. 18, 1992]

§ 520.182 Bicyclohexylammonium fumagillin.

(a) Specifications. The drug is a soluble powder containing bicyclohexylammonium fumagillin and appropriate phosphate buffers.

(b) Sponsor. See No. 059620 in § 510.600(c) of this chapter.

(c) Conditions of use. (1) The drug is used for the prevention of nosema in honey bees.

(2) It is administered usually in a 2:1 sugar sirup containing a concentration of from 75 to 100 milligrams of fumagillin activity per gallon of sugar sirup.

(3) Colonies used for package production should be fed medicated sirup as a principal food supply for a month prior to stocking nuclei or shaking packages for market.

(4) The medicated sirup should not be fed immediately before or during the honey flow.


§ 520.222 Bunamidine hydrochloride.

(a) Chemical name. N,N-Dibutyl-4-(hexyloxy)-1-naphthamidine hydrochloride.

(ii) Amount. 200 to 400 milligrams per gallon in drinking water.

(A) Indications for use. Control of necrotic enteritis caused by Clostridium perfringens susceptible to bacitracin zinc.

(B) Limitations. Prepare a fresh solution daily.