

1510.2070 EXPRESSION OF GUARANTEES.

Subpart 1. **Protein; amino acids; fat; fiber.** The guarantees for crude protein, amino acids, equivalent crude protein from nonprotein nitrogen, crude fat, crude fiber, and acid detergent fiber must be in terms of percentage by weight, as is.

Subp. 2. **Mineral guarantees.**

A. Calcium, salt, and sodium guarantees given in the guaranteed analysis must be stated and conform to the following:

(1) if the minimum is below 2.5 percent, the maximum must not exceed the minimum by more than 0.5 percentage point;

(2) if the minimum is 2.5 percent, but less than 5.0 percent, the maximum must not exceed the minimum by more than one percentage point; and

(3) if the minimum is 5.0 percent or greater, the maximum must not exceed the minimum by more than 20 percent of the minimum, and in no case may the maximum exceed the minimum by more than five percentage points.

B. Any guarantees for minimum and maximum total sodium and salt, minimum potassium, minimum magnesium, minimum sulfur, minimum phosphorus, and maximum fluorine must be in terms of percentage by weight, as is. Other minimum mineral guarantees must be stated in parts per million (ppm), as is, when the concentration is less than 10,000 ppm and in percentage by weight, as is, when the concentration is 10,000 ppm (one percent) or greater.

C. Products labeled with a quantity statement, such as tablets, capsules, granules, or liquids, may state mineral guarantees in milligrams (mg) per unit, consistent with the quantity statement and directions for use.

Subp. 3. **Minimum vitamin content.** Guarantees for minimum vitamin content of commercial feeds must be stated in mg/lb or in units consistent with those employed for the quantity statement and must be listed in the following order:

A. vitamin A, other than precursors of vitamin A, in international units per pound;

B. vitamin D-3 in products offered for poultry feeding, in international chick units per pound;

C. vitamin D for other uses, international units per pound;

D. vitamin E, in international units per pound;

E. concentrated oils and feed additive premixes containing vitamins A, D, and E may, at the option of the distributor, be stated in units per gram instead of units per pound;

F. vitamin B-12, in milligrams or micrograms per pound; and

G. all other vitamin guarantees in milligrams per pound in terms of the following: menadione, riboflavin, d-pantothenic acid, thiamine, niacin, vitamin B-6, folic acid, choline, biotin, inositol, p-amino benzoic acid, ascorbic acid, and carotene.

Subp. 4. **Drug guarantees.** Guarantees for drugs must be stated in terms of percent by weight, except as specified in items A to D.

A. Antibiotics present at less than 2,000 grams per ton (total) of commercial feed must be stated in grams per ton of commercial feed.

B. Antibiotics present at 2,000 or more grams per ton (total) of commercial feed must be stated in grams per pound of commercial feed.

C. Labels for commercial feeds containing growth promotion or feed efficiency levels of antibiotics which are to be fed continuously as the sole ration are not required to make quantitative guarantees except as specifically noted in Code of Federal Regulations, title 21, chapter 558, federal Food Additive Regulations for certain antibiotics, where quantitative guarantees are required regardless of the level or purpose of the antibiotic.

D. The term "milligrams per pound" may be used for drugs or antibiotics if a dosage is given in "milligrams" in the feeding directions.

Subp. 5. **Added nonprotein nitrogen.** Commercial feeds containing added nonprotein nitrogen must be labeled according to items A and B.

A. For ruminants,

(1) complete feeds, supplements, and concentrates containing added nonprotein nitrogen and more than five percent protein from natural sources must be guaranteed as follows:

(a) crude protein, minimum, percent;

(b) (this includes not more than percent equivalent crude protein from nonprotein nitrogen);

(2) mixed feed concentrates and supplements containing less than five percent protein from natural sources may exclude the guarantee for crude protein; and

(3) ingredient sources of nonprotein nitrogen such as urea, diammonium phosphate, ammonium polyphosphate solution, ammoniated rice hulls, or other basic nonprotein nitrogen ingredients defined by the Association of American Feed Control Officials must be guaranteed as follows:

(a) nitrogen, minimum, percent;

(b) equivalent crude protein from nonprotein nitrogen, minimum, percent.

B. For nonruminants,

(1) complete feeds, supplements, and concentrates containing crude protein from all forms of nonprotein nitrogen, added as such, must be labeled as follows:

(a) crude protein, minimum percent;

(b) (this includes not more than percent equivalent crude protein which is not nutritionally available to (species of animal for which feed is intended));

(2) premixes, concentrates, or supplements intended for nonruminants containing more than 1.25 percent equivalent crude protein from all forms of nonprotein nitrogen, added as such, must contain adequate directions for use and a prominent statement: "WARNING: THIS FEED MUST BE USED ONLY IN ACCORDANCE WITH DIRECTIONS FURNISHED ON THE LABEL."

Subp. 6. **Mineral phosphatic materials.** Mineral phosphatic materials for feeding purposes must be labeled with the guarantee for minimum and maximum percentage of calcium, when present, the minimum percentage of phosphorus, and the maximum percentage of fluorine.

Subp. 7. **Microorganisms.** Guarantees for microorganisms must be stated in colony forming units per gram (CFU/g) when directions are for using the product in grams, or in colony-forming units per pound (CFU/lb) when directions are for using the product in pounds. A parenthetical statement following the guarantee must list each species in order of predominance.

Subp. 8. **Enzymes.** Guarantees for enzymes must be stated in units of enzymatic activity per unit weight or volume, consistent with label directions. The source organism for each type of enzymatic activity must be specified, such as: Protease (*Bacillus subtilis*) 5.5 mg amino acids liberated/min./milligram. Two or more sources that have the same type of activity must be listed in order of predominance based on the amount of enzymatic activity provided.

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