

02 NCAC 09E .0106 EXPRESSION OF GUARANTEES

- (a) The guarantees for crude protein, equivalent protein from non-protein nitrogen, crude fat, crude fiber and mineral guarantees (when required) will be in terms of percentage by weight.
- (b) Commercial feeds containing six and one-half percent or more mineral elements shall include in the guaranteed analysis the minimum and maximum percentages of calcium (Ca), the minimum percentage of phosphorus (P), and if salt is added, the minimum and maximum percentages of salt (NaCl). Minerals, except salt (NaCl), shall be guaranteed in terms of percentage of the element. When calcium and/or salt guarantees are given in the guaranteed analysis such shall be stated and conform to the following:
 - (1) When the minimum is 5.0 percent or less, the maximum shall not exceed the minimum by more than one percentage point.
 - (2) When the minimum is above 5.0 percent, the maximum shall not exceed the minimum by more than 20 percent and in no case shall the maximum exceed the minimum by more than five percentage points.
- (c) Guarantees for minimum vitamin content of commercial feeds and feed supplements, when made, shall be stated on the label in milligrams per pound of feed with the following exceptions:
 - (1) Vitamin A, other than precursors of vitamin A, shall be stated in USP units per pound or International Units (IU) per pound.
 - (2) Vitamin D, in products offered for poultry feeding, shall be stated in International Chick Units per pound.
 - (3) Vitamin D for other uses shall be stated in USP units per pound.
 - (4) Vitamin E shall be stated in International or USP Units per pound.
 - (5) Guarantees for vitamin content on the label of a commercial feed shall state the guarantee as true vitamins, not compounds, with the exception of the compounds, pyridoxine hydrochloride, choline chloride, thiamine, and d-pantothenic acid.
 - (6) Oils and premixes containing vitamin A or vitamin D or both may be labeled to show vitamin content in terms of units per gram.
- (d) Guarantees for drugs shall be stated in terms of percent by weight, with the following exceptions:
 - (1) Antibiotics present at less than 2,000 grams per ton (total) of commercial feed shall be stated in grams per ton of commercial feed.
 - (2) Antibiotics present at 2,000 or more grams per ton (total) of commercial feed shall be stated in grams per pound of commercial feed.
 - (3) Labels for commercial feeds containing growth promotion and/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 the Federal Food Additive Regulations for certain antibiotics, wherein, quantitative guarantees are required regardless of the level or purpose of the antibiotic.
 - (4) The term "milligrams per pound" may be used for drugs or antibiotics in those cases where a dosage is given in "milligrams" in the feeding directions.
- (e) Commercial feeds containing any added non-protein nitrogen shall be labeled as follows:
 - (1) Complete feeds, supplements, and concentrates containing added non-protein nitrogen and containing more than five percent protein from natural sources shall be guaranteed as follows:
"Crude Protein, minimum,..... percent"
(This includes not more than percent equivalent protein from non-protein nitrogen)
 - (2) Mixed feed concentrates and supplements containing less than five percent protein from natural sources may be guaranteed as follows:
"Equivalent Crude Protein from Non-Protein Nitrogen, minimum, percent."
 - (3) Ingredient sources of non-protein nitrogen such as urea, di-ammonium phosphate, ammonium polyphosphate solution, ammoniated rice hulls, or other basic non-protein nitrogen ingredients defined by the Association of American Feed Control Officials shall be guaranteed as follows:
"Nitrogen, minimum, percent Equivalent Crude Protein from Non-Protein Nitrogen, minimum, percent."
- (f) Mineral phosphatic materials for feeding purposes shall 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.

*History Note: Authority G.S. 106-284.41;
Eff. February 1, 1976;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. March 22,
2015.*