

NSN-8710-00-507-5835

2/12/98

**NIH SPECIFICATION
DRY DIET FOR DOGS**

REQUIREMENTS

Material - Material shall be as specified herein:

Ingredients - The ingredients used in the formulation of the product covered by this specification must be selected from the following list. However, there is no intent to require the manufacturer to use all ingredients listed.

meat and bone meal (32% maximum ash)
fish meal
animal fat
soybean oil
dried beet pulp
dried whey or milk products
soybean meal
ground soy grits
cheese meal
wheat germ meal
wheat middlings
kibbled corn
kibbled wheat
ground corn (yellow)
ground wheat
corn gluten meal
dried bakery products
brewers dried yeast
D activated animal sterol
Vitamin A palmitate or acetate
Vitamin K supplement
Vitamin B₁₂ supplement
niacin
folic acid
biotin
calcium pantothenate
pyridoxine hydrochloride
riboflavin
thiamin
choline chloride
vitamin E supplement
dicalcium phosphate
calcium carbonate
iodized salt
iron carbonate
iron sulfate
manganese oxide
cobalt carbonate
zinc oxide
ethylene diamine dihydroiodide
copper sulfate

Chemical preservatives in various ingredients may consist of:

BHA
Propylene glycol
Propyl gallate
citric acid

The manufacturer shall determine the amount of each ingredient used in the formulation of this ration that will insure the nutrient content specified in the nutrient standards and will be palatable ration for dogs maintained under laboratory conditions where their physical activity is limited.

The ingredients used in this product shall be ground (prior to extruding) so 100 percent of the particles will pass through a U.S. Standard screen No. 12.

Nutrient Standards

The finished product at the time of manufacture shall conform to the following calculated nutrient concentrations:

	Minimum (%)	Maximum(%)
Crude protein	24.00	26.00
Crude fat	6.00	9.00
Linoleic or arachidonic acid	1.25	-----
Crude fiber	3.50	4.50
Ash	----	10.50
Calcium	1.20	1.80
Phosphorous	1.00	1.40

Amino acids (% of total diet)

	Minimum	
Arginine		1.40
Glycine	"	1.70
Lysine	"	1.10
Methionine	"	0.35
Tryptophan	"	0.20
Cystine	"	0.30
Histidine	"	0.48
Leucine	"	1.75
Isoleucine	"	1.00
Phenylalanine	"	1.00
Threonine	"	0.80
Valine	"	1.10
Tyrosine	"	0.60

Minerals

Potassium	%	Minimum	0.80
Magnesium	%	"	0.20
Sodium	%	"	0.35
Chlorine	%	"	0.15
Iron	PPM	"	200.0
Zinc	PPM	"	120.0
Manganese	"	"	85.0
Copper	"	"	12.0
Cobalt	"	"	0.48
Iodine	"	"	1.5
Selenium	"	"	0.2

Vitamins

Thiamin	PPM	"	9.0
Riboflavin	"	"	4.0
Niacin	"	"	40.0
Pantothenic Acid	"	"	20.0
Choline	"	"	1400.0
Folic Acid	"	"	0.7
Pyridoxine	"	"	6.0
Biotin	"	"	0.1
B-12	Mcg/Kg	"	35.0
Vitamin A	IU/gm	"	15.0 (5.0) *
Vitamin D	IU/gm	"	4.0
Alpha-Tocopheral	PPM	"	40.0
Vitamin K	PPM	"	10.0

* TRUE VITAMIN A ACTIVITY BY HPLC METHOD