

DESCRIPTION

Rumilab[®] Maintenance Diet is a complete life cycle diet formulated for a variety of ruminant species. This is a highly-palatable, moderate-roughage, natural-protein product formulated to minimize the occurrence of urinary tract stones. This diet is formulated to provide optimum roughage for most ruminants maintained in a laboratory environment. Supplemental roughage in the form of hay may be beneficial in certain animals. This diet is a complete life cycle diet formulated using managed formulation, delivering Constant Nutrition[®]. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition[®]](#)
- Includes highly palatable ingredients such as corn and wheat
- Contains natural protein sources, no added urea
- Contains ammonium chloride to support urinary tract health
- Pelleted diet for uniform distribution of nutrients

Product Forms Available

- Pellet, 1/4" x 1/2", 50 lb

Catalog

0046245

GUARANTEED ANALYSIS

Crude protein not less than	13.50%
Crude fat not less than	1.50%
Crude fiber not more than	25.50%
Acid Detergent Fiber not more than	20.00%
Ash not more than	8.00%
Calcium not less than	0.56%
Calcium not more than	1.06%
Phosphorus not less than	0.30%
Salt not less than	0.88%
Salt not more than	1.38%
Sodium not more than	0.75%
Potassium not less than	1.00%
Selenium not less than	0.10 ppm
Vitamin A not less than	6500 IU/lb

(This includes not more than 1.00% equivalent crude protein from non-protein nitrogen)

INGREDIENTS

Wheat Middlings, Ground Corn, Dehydrated Alfalfa Meal, Ground Soybean Hulls, Cottonseed Hulls, Dehulled Soybean Meal, Ground Oats, Ground Wheat, Cane Molasses, Salt, Calcium Carbonate, Ammonium Chloride, dl-Alpha Tocopheryl Acetate (Vitamin E), Zinc Sulfate, Vitamin A Acetate, Cholecalciferol (Vitamin D3), Manganese Sulfate, Zinc Oxide, Manganous Oxide, Ferrous Sulfate, Potassium Iodide, Sodium Molybdate, Sodium Selenite, Cobalt Carbonate.

FEEDING DIRECTIONS

Feed as a complete ration with limited roughage to laboratory animals in amounts to maintain desired body condition.

Follow these management practices:

1. When making a ration change, allow 7-10 days for animals to adjust to the new ration
2. Provide a source of fresh, clean water at all times.
3. Keep adequate supply of complete feed, normally 2-3% of the animal's body weight, available to laboratory ruminants. Do not allow fine material to accumulate in feeders.
4. Provide adequate bunk space for each animal. Bunks should be protected and well managed to prevent feed from becoming wet and moldy.
5. When fed from self-feeder, adjust feeder to minimize quantity of feed accumulating in trough.
6. Consult your veterinarian for recommended health program for your local area, including internal and external parasite control.

Caution: Store in dry area away from insects. Do not feed moldy or insect-infested feed to animals as illness, abortion or death may result.

For information regarding shelf life please visit www.labdiet.com.

CHEMICAL COMPOSITION¹

Nutrients²		
Protein, %	14.7	Iron, ppm
Arginine, %	0.78	Zinc, ppm
Cystine, %	0.25	Manganese, ppm
Glycine, %	0.56	Copper, ppm
Histidine, %	0.35	Cobalt, ppm
Isoleucine, %	0.61	Iodine, ppm
Leucine, %	0.99	Chromium (added), ppm
Lysine, %	0.68	Selenium, ppm
Methionine, %	0.20	
Phenylalanine, %	0.61	Vitamins
Tyrosine, %	0.38	Carotene, ppm
Threonine, %	0.49	Vitamin K, ppm
Tryptophan, %	0.16	Thiamin, ppm
Valine, %	0.63	Riboflavin, ppm
Serine, %	0.67	Niacin, ppm
Aspartic Acid, %	1.41	Pantothenic Acid, ppm
Glutamic Acid, %	2.78	Choline, ppm
Alanine, %	0.73	Folic Acid, ppm
Proline, %	0.93	Pyridoxine, ppm
Taurine, %	0.00	Biotin, ppm
Fat (ether extract), %	2.2	B ₁₂ , mcg/kg
Fat (acid hydrolysis), %	3.4	Vitamin A, IU/gm
Cholesterol, ppm	0	Vitamin D ₃ (added), IU/gm
Linoleic Acid, %	0.97	Vitamin E, IU/kg
Linolenic Acid, %	0.14	Ascorbic Acid, mg/gm
Arachidonic Acid, %	0.00	
Omega-3 Fatty Acids, %	0.19	Calories provided by:
Total Saturated Fatty Acids, %	0.33	Protein, %
Total Monounsaturated		Fat (ether extract), %
Fatty Acids, %	0.41	Carbohydrates, %
Fiber (Crude), %	15.3	
Neutral Detergent Fiber ³ , %	32.9	1. Formulation based on calculated
Acid Detergent Fiber ⁴ , %	19.8	values from the latest ingredient
Nitrogen-Free Extract		analysis information. Since nutrient
(by difference), %	51.3	composition of natural ingredients
Starch, %	32.9	varies and some nutrient loss will
Sucrose, %	19.8	occur due to manufacturing process-
Total Digestible Nutrients, %	65.3	es, analysis will differ accordingly.
Gross Energy, kcal/gm	3.28	2. Nutrients expressed as percent of
Physiological Fuel Value⁵,		ration except where otherwise indi-
kcal/gm	2.84	cated. Moisture content is assumed
Metabolizable Energy,		to be 10.0% for the purpose of
kcal/gm	2.31	calculations.
		3. NDF = approximately cellulose,
Minerals		hemi-cellulose and lignin.
Ash, %	6.2	4. ADF = approximately cellulose
Calcium, %	0.81	and lignin.
Phosphorus, %	0.42	5. Physiological Fuel Value (kcal/
Phosphorus (non-phytate), %	0.18	gm) = Sum of decimal fractions of
Potassium, %	1.17	protein, fat and carbo- hydrate (use
Magnesium, %	0.24	Nitrogen Free Extract) x 4,9,4 kcal/
Sulfur, %	0.18	gm respectively.
Sodium, %	0.52	NOTE: When assayed, actual
Chloride, %	1.3	levels may vary from calculated
Fluorine, ppm	3.4	values.