

**Product Description-** 2031 is a fixed formula, non-autoclavable diet manufactured with high quality ingredients and designed for maintenance of adult rabbits. High fiber diets improve intestinal motility, may reduce the occurrence of enteropathy and help maintain body weight in long term studies.

**Related codes 2031C (certified), 2931 (irradiated).**

Macronutrients		
Crude Protein	%	14.5
Fat (ether extract) <sup>a</sup>	%	2.5
Carbohydrate (available) <sup>b</sup>	%	24.7
Crude Fiber	%	22.8
Neutral Detergent Fiber <sup>c</sup>	%	39.4
Ash	%	7.6
Energy Density <sup>d</sup>	kcal/g (kJ/g)	2.0 (8.4)
Calories from Protein	%	33
Calories from Fat	%	12
Calories from Carbohydrate	%	55

Minerals		
Calcium	%	1.0
Phosphorus	%	0.6
Non-Phytate Phosphorus	%	0.4
Sodium	%	0.3
Potassium	%	1.4
Chloride	%	0.6
Magnesium	%	0.3
Zinc	mg/kg	57
Manganese	mg/kg	87
Copper	mg/kg	19
Iodine	mg/kg	7
Iron	mg/kg	360
Selenium	mg/kg	0.23

Amino Acids		
Aspartic Acid	%	1.2
Glutamic Acid	%	1.7
Alanine	%	0.6
Glycine	%	0.9
Threonine	%	0.9
Proline	%	0.8
Serine	%	0.6
Leucine	%	1.1
Isoleucine	%	0.7
Valine	%	0.8
Phenylalanine	%	0.7
Tyrosine	%	0.5
Methionine	%	0.3
Cystine	%	0.2
Lysine	%	0.8
Histidine	%	0.4
Arginine	%	0.9
Tryptophan	%	0.3

**Ingredients** (in descending order of inclusion)- Dehydrated alfalfa meal, soybean hulls, ground oats, wheat middlings, dehulled soybean meal, ground corn, dicalcium phosphate, cane molasses, iodized salt, magnesium oxide, calcium carbonate, DL-methionine, vitamin E acetate, menadione sodium bisulfite complex (source of vitamin K activity), manganous oxide, ferrous sulfate, zinc oxide, niacin, calcium pantothenate, copper sulfate, pyridoxine hydrochloride, riboflavin, thiamin mononitrate, vitamin A acetate, calcium iodate, vitamin B<sub>12</sub> supplement, folic acid, biotin, vitamin D<sub>3</sub> supplement, cobalt carbonate.

#### Standard Product Form: Pellet

Vitamins		
Vitamin A <sup>e, f</sup>	IU/g	15.0
Vitamin D <sub>3</sub> <sup>e, g</sup>	IU/g	1.5
Vitamin E	IU/kg	130
Vitamin K <sub>3</sub> (menadione)	mg/kg	50
Vitamin B <sub>1</sub> (thiamin)	mg/kg	16
Vitamin B <sub>2</sub> (riboflavin)	mg/kg	18
Niacin (nicotinic acid)	mg/kg	52
Vitamin B <sub>6</sub> (pyridoxine)	mg/kg	17
Pantothenic Acid	mg/kg	38
Vitamin B <sub>12</sub> (cyanocobalamin)	mg/kg	0.08
Biotin	mg/kg	0.43
Folate	mg/kg	4
Choline	mg/kg	1000
Fatty Acids		
C16:0 Palmitic	%	0.3
C18:0 Stearic	%	0.1
C18:1ω9 Oleic	%	0.4
C18:2ω6 Linoleic	%	0.9
C18:3ω3 Linolenic	%	0.3
Total Saturated	%	0.4
Total Monounsaturated	%	0.4
Total Polyunsaturated	%	1.2
Other		
Cholesterol	mg/kg	--

**Shelf life:** With proper storage, diet is suitable for use out to 9 months.

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<sup>a</sup> Ether extract is used to measure fat in pelleted diets, while an acid hydrolysis method is required to recover fat in extruded diets. Compared to ether extract, the fat value for acid hydrolysis will be approximately 1% point higher.

<sup>b</sup> Carbohydrate (available) is calculated by subtracting neutral detergent fiber from total carbohydrates.

<sup>c</sup> Neutral detergent fiber is an estimate of insoluble fiber, including cellulose, hemicellulose, and lignin. Crude fiber methodology underestimates total fiber.

<sup>d</sup> Energy density is a calculated estimate of metabolizable energy based on published predictive equations for rabbits (de Blas & Wiseman, *The Nutrition of the Rabbit*. CABI Publishing, 1998).

<sup>e</sup> Indicates added amount but does not account for contribution from other ingredients.

<sup>f</sup> 1 IU vitamin A = 0.3 µg retinol

<sup>g</sup> 1 IU vitamin D = 25 ng cholecalciferol

For nutrients not listed, insufficient data is available to quantify.

Nutrient data represent the best information available, calculated from published values and direct analytical testing of raw materials and finished product. Nutrient values may vary due to the natural variations in the ingredients, analysis, and effects of processing.