

Product Description- 2027 is a fixed formula, non-autoclavable diet manufactured with high quality ingredients, including poultry by-product meal, an improved source of animal protein over conventional meat and bone meals. The diet is designed to support gestation, lactation, and growth. In particular, lactating females and puppies may benefit from the higher fat content and increased energy density. **Related code 2027C (certified).**

Macronutrients		
Crude Protein	%	28.6
Fat (acid hydrolysis) ^a	%	16.8
Carbohydrate (available) ^b	%	27.3
Crude Fiber	%	2.7
Neutral Detergent Fiber ^c	%	9.5
Ash	%	8.6
Energy Density ^d	kcal/g (kJ/g)	3.8 (15.9)
Calories from Protein	%	32
Calories from Fat	%	38
Calories from Carbohydrate	%	30

Minerals		
Calcium	%	1.9
Phosphorus	%	1.4
Non-Phytate Phosphorus	%	1.0
Sodium	%	0.4
Potassium	%	0.7
Chloride	%	0.6
Magnesium	%	0.2
Zinc	mg/kg	175
Manganese	mg/kg	75
Copper	mg/kg	15
Iodine	mg/kg	2
Iron	mg/kg	300
Selenium	mg/kg	0.37

Amino Acids		
Aspartic Acid	%	2.4
Glutamic Acid	%	4.1
Alanine	%	2.4
Glycine	%	2.6
Threonine	%	1.1
Proline	%	2.1
Serine	%	1.5
Leucine	%	2.2
Isoleucine	%	1.2
Valine	%	1.4
Phenylalanine	%	1.1
Tyrosine	%	0.9
Methionine	%	0.5
Cystine	%	0.5
Lysine	%	1.3
Histidine	%	0.7
Arginine	%	1.9
Tryptophan	%	0.3

Ingredients (in descending order of inclusion)- Poultry by-product meal, ground corn, wheat middlings, ground wheat, poultry fat, dehulled soybean meal, soybean oil, dried whey, dicalcium phosphate, iodized salt, calcium propionate, choline chloride, zinc oxide, ferrous sulfate, vitamin E acetate, niacin, manganous oxide, thiamin mononitrate, copper sulfate, calcium pantothenate, vitamin A acetate, menadione sodium bisulfite complex (source of vitamin K activity), riboflavin, pyridoxine hydrochloride, vitamin B₁₂ supplement, vitamin D₃ supplement, folic acid, biotin.

Standard Product Form: Extruded

Vitamins		
Vitamin A ^{e, f}	IU/g	10.0
Vitamin D ₃ ^{e, g}	IU/g	2.2
Vitamin E	IU/kg	90
Vitamin K ₃ (menadione)	mg/kg	2
Vitamin B ₁ (thiamin)	mg/kg	25
Vitamin B ₂ (riboflavin)	mg/kg	8
Niacin (nicotinic acid)	mg/kg	72
Vitamin B ₆ (pyridoxine)	mg/kg	8
Pantothenic Acid	mg/kg	20
Vitamin B ₁₂ (cyanocobalamin)	mg/kg	0.13
Biotin	mg/kg	0.17
Folate	mg/kg	2
Choline	mg/kg	2860
Fatty Acids		
C16:0 Palmitic	%	3.0
C18:0 Stearic	%	0.9
C18:1ω9 Oleic	%	5.7
C18:2ω6 Linoleic	%	4.5
C18:3ω3 Linolenic	%	0.4
Total Saturated	%	4.2
Total Monounsaturated	%	6.4
Total Polyunsaturated	%	4.9
Other		
Cholesterol	mg/kg	865

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

www.inotivco.com/shelf-life-of-diets-used-in-research

^a 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.

^b Carbohydrate (available) is calculated by subtracting neutral detergent fiber from total carbohydrates.

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

^d Energy density is a calculated estimate of metabolizable energy based on published predictive equations for dogs (NRC, *Nutrient Requirements of Dogs and Cats*. The National Academies Press, 2006).

^e Indicates added amount but does not account for contribution from other ingredients.

^f 1 IU vitamin A = 0.3 µg retinol

^g 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.