

Product Description- 7078S is a fixed formula, autoclavable diet manufactured with high quality ingredients and designed to support gestation, lactation, and growth.

Macronutrients

Crude Protein	%	17.8
Fat (ether extract) ^a	%	4.5
Carbohydrate (available) ^b	%	29.0
Crude Fiber	%	15.0
Neutral Detergent Fiber ^c	%	30.0
Ash	%	8.0
Energy Density ^d	kcal/g (kJ/g)	2.5 (10.5)
Calories from Protein	%	31
Calories from Fat	%	18
Calories from Carbohydrate	%	51

Minerals

Calcium	%	1.1
Phosphorus	%	0.6
Non-Phytate Phosphorus	%	0.3
Sodium	%	0.3
Potassium	%	1.3
Chloride	%	0.5
Magnesium	%	0.4
Zinc	mg/kg	72
Manganese	mg/kg	105
Copper	mg/kg	18
Iodine	mg/kg	6
Iron	mg/kg	270
Selenium	mg/kg	0.20

Amino Acids

Aspartic Acid	%	1.7
Glutamic Acid	%	2.8
Alanine	%	0.9
Glycine	%	0.9
Threonine	%	0.8
Proline	%	1.1
Serine	%	1.0
Leucine	%	1.4
Isoleucine	%	0.8
Valine	%	0.9
Phenylalanine	%	0.9
Tyrosine	%	0.6
Methionine	%	0.3
Cystine	%	0.3
Lysine	%	1.0
Histidine	%	0.4
Arginine	%	1.1
Tryptophan	%	0.3

Ingredients (in descending order of inclusion)- Dehydrated alfalfa meal, wheat middlings, ground oats, dehulled soybean meal, soybean hulls, ground corn, soybean oil, calcium carbonate, dicalcium phosphate, cane molasses, iodized salt, magnesium oxide, choline chloride, L-lysine, DL-methionine, menadione sodium bisulfite complex (source of vitamin K activity), vitamin E acetate, calcium pantothenate, manganous oxide, ferrous sulfate, thiamin mononitrate, niacin, zinc oxide, copper sulfate, riboflavin, pyridoxine hydrochloride, vitamin A acetate, vitamin B12 supplement, calcium iodate, folic acid, biotin, vitamin D3 supplement, cobalt carbonate.

Standard Product Form: **Pellet**

Vitamins

Vitamin A ^{e, f}	IU/g	20.0
Vitamin D ₃ ^{e, g}	IU/g	1.5
Vitamin E	IU/kg	130
Vitamin K ₃ (menadione)	mg/kg	67
Vitamin B ₁ (thiamin)	mg/kg	66
Vitamin B ₂ (riboflavin)	mg/kg	21
Niacin (nicotinic acid)	mg/kg	75
Vitamin B ₆ (pyridoxine)	mg/kg	19
Pantothenic Acid	mg/kg	85
Vitamin B ₁₂ (cyanocobalamin)	mg/kg	0.10
Biotin	mg/kg	0.70
Folate	mg/kg	5
Choline	mg/kg	2150

Fatty Acids

C16:0 Palmitic	%	0.6
C18:0 Stearic	%	0.1
C18:1ω9 Oleic	%	0.9
C18:2ω6 Linoleic	%	2.1
C18:3ω3 Linolenic	%	0.4
Total Saturated	%	0.8
Total Monounsaturated	%	1.0
Total Polyunsaturated	%	2.5

Other

Cholesterol	mg/kg	--
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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 rabbits (de Blas & Wiseman, *The Nutrition of the Rabbit*. CABI Publishing, 1998).

^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.

Teklad Diets are designed and manufactured for research purposes only.