

Product Description- 8753 is fixed formula diet manufactured with high quality ingredients designed to support maintenance and growth of lab miniswine. The higher fiber and lower energy is designed to help regulate body weight. 8753 is also suitable for feeding of conventional swine weighing 20 kg or more. **Related code 8753C (certified).**

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

Standard Product Form: **Pellet**

Macronutrients		
Crude Protein	%	16.0
Fat (ether extract) ^a	%	3.9
Carbohydrate (available) ^b	%	33.0
Crude Fiber	%	12.8
Neutral Detergent Fiber ^c	%	29.8
Ash	%	6.3
Energy Density ^d	kcal/g (kJ/g)	2.3 (9.6)
Calories from Protein	%	28
Calories from Fat	%	15
Calories from Carbohydrate	%	57

Minerals		
Calcium	%	0.95
Phosphorus	%	0.9
Non-Phytate Phosphorus	%	0.5
Sodium	%	0.1
Potassium	%	0.8
Chloride	%	0.3
Magnesium	%	0.2
Zinc	mg/kg	235
Manganese	mg/kg	91
Copper	mg/kg	40
Iodine	mg/kg	1
Iron	mg/kg	320
Selenium	mg/kg	0.51

Amino Acids		
Aspartic Acid	%	1.3
Glutamic Acid	%	2.5
Alanine	%	0.9
Glycine	%	1.0
Threonine	%	0.9
Proline	%	1.1
Serine	%	1.0
Leucine	%	1.3
Isoleucine	%	0.8
Valine	%	0.9
Phenylalanine	%	0.8
Tyrosine	%	0.6
Methionine	%	0.2
Cystine	%	0.2
Lysine	%	0.9
Histidine	%	0.4
Arginine	%	1.1
Tryptophan	%	0.2

Vitamins		
Vitamin A ^{e, f}	IU/g	15.0
Vitamin D ₃ ^{e, g}	IU/g	1.5
Vitamin E	IU/kg	117
Vitamin K ₃ (menadione)	mg/kg	50
Vitamin B ₁ (thiamin)	mg/kg	21
Vitamin B ₂ (riboflavin)	mg/kg	15
Niacin (nicotinic acid)	mg/kg	58
Vitamin B ₆ (pyridoxine)	mg/kg	18
Pantothenic Acid	mg/kg	31
Vitamin B ₁₂ (cyanocobalamin)	mg/kg	0.08
Biotin	mg/kg	0.41
Folate	mg/kg	4
Choline	mg/kg	1830

Fatty Acids		
C16:0 Palmitic	%	0.5
C18:0 Stearic	%	0.1
C18:1ω9 Oleic	%	0.7
C18:2ω6 Linoleic	%	2.0
C18:3ω3 Linolenic	%	0.2
Total Saturated	%	0.6
Total Monounsaturated	%	0.7
Total Polyunsaturated	%	2.2

Other		
Cholesterol	mg/kg	--

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 the Atwater factors assigning 4 kcal/g to protein, 9 kcal/g to fat, and 4 kcal/g to available carbohydrate.

^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.