



TransBreed

Pelleted

DESCRIPTION

SDS TransBreed has been designed to improve breeding performance and to provide extra nutrition for those special rodents (i.e. Transgenic mice) that require it.

It is an expanded diet that contains very digestible raw materials including sources of animal protein which help to meet the omnivorous requirements of mice (NRC 1995).

The high fat content (10% by weight, 24% by energy) supplies more energy than for a standard diet and the additional essential fatty acids fulfil any omega 3 and 6 requirements.

Protein level and amino acid profile have been optimised to give every opportunity for a good breeding efficiency and healthy growth. It includes a specific level of soya and associated phytoestrogens which have been shown to improve breeding efficiency (SDS in house data 2005).

Minerals, Trace elements, Vitamins and other essential nutrients have been particularly focused on to make sure nutrition cannot be the limiting factor.

STORAGE

Ideally less than 20°C.

SHELF LIFE

9 months from date of manufacture.

AVAILABLE AS

Name	Packaging	Product Code
<i>TransBreed (E)</i>	<i>12.5 kg 3 ply paper sack</i>	<i>801220</i>
<i>TransBreed (E)</i>	<i>12.5 kg</i>	<i>801222</i>
<i>25 kGy</i>	<i>Heat sealed polythene</i>	
<i>(Irradiated version)</i>	<i>lined paper sack</i>	

INGREDIENTS

(Listed in descending order of inclusion):

Maize, Wheat, Rice, Soya Dehulled Extracted and Toasted, Soya Oil, Oat Hulls and Bran, Fish Meal, Poultry Meat Meal, Wheat Feed, Milk Powder, Potato Protein (Low Solanine), Yeast, Sugar Beet Pulp Molassed, Calcium Carbonate, Dicalcium Phosphate, Fish Oil, DL-methionine, Salt (NaCl), Linseed Oil, Betaine Premix, Choline Chloride Premix, Calcined Magnesite, Inositol, Vitamin E (Tocopherol) Premix, Ferrous Sulphate, L-tryptophan, Antioxidant Premix, Manganese Oxide, Vitamin K3 (Menedione), Vitamin B12 (Cyanocobalamine) Premix, Nicotinic Acid, Zinc Oxide, Vitamin C (Stabilised Ascorbyl Polyphosphate) Premix, Copper Sulphate, Calcium D-pantothenate, Vitamin B2 (Riboflavin), Vitamin A (Retinol) Premix, Vitamin B1 (Thiamine), Sodium Selenite Premix, Vitamin B6 (Pyridoxine), Biotin Premix, Folic Acid, Cobalt Carbonate Premix, Chromic Potassium Sulphate, Vitamin D3 (Cholecalciferol) Premix, Potassium Iodate.

Contact SDS for further details

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Calculated Analysis

NUTRIENTS		Total	Added*	NUTRIENTS		Total	Added
Proximate (Weende) Analysis							
Moisture	%	10.00		Phenylalanine	%	1.00	
C Fat	%	10.05		Valine	%	1.08	
C Protein	%	20.07		Tyrosine	%	0.78	
C Fibre	%	3.47		Glycine	%	1.20	
Ash	%	4.91		Aspartic Acid	%	1.74	
Nfe	%	51.50		Glutamic Acid	%	2.91	
Carbohydrates, Fibre and Non Starch Polysaccharides							
Pectin	%	1.39		Proline		1.12	
Hemicellulose	%	7.03		Serine	%	0.86	
Cellulose	%	3.66		Hyd Proline	%	0.12	
Lignin	%	1.13		Hyd Lysine	%	0.03	
Starch	%	38.48		Alanine	%	0.75	
Sugar	%	3.67		Minerals and Trace Elements			
Energy							
G Energy	Mj/kg	17.92		Ca	%	0.92	0.23
D Energy	Mj/kg	15.65		Total P	%	0.64	0.06
M Energy	Mj/kg	14.67		Phytate P	%	0.14	
Atwater Fuel Energy*	kcal/g	3.77		Available P	%	0.50	0.06
Fatty Acids							
Saturated Fatty Acids							
C4:0 Butyric	%	0.02		Na	%	0.19	0.10
C6:0 Caproic	%	0.01		Cl	%	0.31	0.16
C8:0 Caprylic	%	0.01		K	%	0.68	
C10:0 Capric	%	0.02		Mg	%	0.20	0.04
C12:0 Lauric	%	0.07		Fe	mg/kg	216.04	118
C14:0 Myristic	%	0.16		Cu	mg/kg	20.83	13
C16:0 Palmitic	%	1.18		Mn	mg/kg	100.24	80
C17:0 Margaric	%	0.01		Zn	mg/kg	80.42	50
C18:0 Stearic	%	0.34		Co	µg/kg	547.95	500
C20:0 Arachidic	%	0.02		I	µg/kg	2322.10	2000
Monounsaturated Fatty Acids							
C14:1 Myristoleic	%	0.03		Se	µg/kg	429.81	250
C16:1 Palmitoleic	%	0.25		Cr	µg/kg	803.55	800
C18:1 ω9 Oleic	%	2.33		Vitamins and Other Nutrients			
C20:1 ω9 Gadoileic	%	0.06		Vit A	Iu/kg	18368.99	15000
C22:1 ω9 Erucic	%	0.04		Vit D3	Iu/kg	2818.68	2000
C22:1 ω11	%	0.02		Vit E	Iu/kg	267.48	250
Polyunsaturated Fatty Acids							
C18:2 ω6 Linoleic	%	3.83		Vit B ₁ Thiamine	mg/kg	30.41	25
C18:3 ω3 Linolenic	%	0.65		Vit B ₂ Riboflavin	mg/kg	28.07	25
C18:4 ω3	%	0.01		Vit B ₆ Pyridoxine	mg/kg	24.18	20
C20:4 ω6 Arachidonic	%	0.06		Vit B ₁₂ Cyanocobalamine	µg/kg	106.92	100
C20:5 ω3 Epa	%	0.04		Vit C Ascorbic Acid	mg/kg	23.94	20
C22:5 ω3 Clupanodonic	%	0.03		Vit K Menedione	mg/kg	60.51	60
C22:6 ω3 Dha	%	0.04		Folic Acid	mg/kg	15.97	15
ω6:ω3	Ratio	5.1:1		Nicotinic Acid	mg/kg	109.36	70
Amino Acids							
Arginine	%	1.23		Pantothenic Acid	mg/kg	46.17	35
Lysine	%	1.15		Choline	mg/kg	1370.25	475
Methionine	%	0.65	0.24	Inositol	mg/kg	2153.60	500
Cystine	%	0.30		Biotin	µg/kg	541.45	350
Tryptophan	%	0.25	0.03				
Histidine	%	0.55					
Threonine	%	0.87					
Isoleucine	%	0.93					
Leucine	%	1.76					

*ADDED = Added as a synthetic amino acid, vitamin, mineral or trace element in concentrated form i.e. from manufactured and mined sources.

*ATWATER FUEL ENERGY = Decimal fractions of Fat, Protein, Carbohydrate multiplied by 9, 4 & 4 respectively to give kcal / g of diet. 1 MJ = 239.23 Kcal

Calculated figures are intended as a guide and are subject to the natural variation of raw materials.

For actual data we recommend that analysis work is carried out to confirm the nutrient parameters precisely.

TransBreed DATA SHEET 996064 050803