

PRODUCT DESCRIPTION:

LysCell® is a source of peptides of low molecular weight obtained from *Saccharomyces cerevisiae* yeast derived from the sugar cane ethanol fermentation.

TYPICAL ANALYSIS:

Crude Protein	395.0	g/Kg
β Glucan	261	g/Kg
MOS	14.7	g/Kg
Moisture	58.0	g/Kg
Crude Fiber	14.0	g/Kg
Ash	55.0	g/Kg
Ether extract	25.0	g/Kg
Free Nucleotides/Nucleosides	50.0	g/kg
Gross Energy	5,122.0	kcal/kg
Digestible Energy	3,904.3	kcal/kg
Metabolizable Energy (poultry)	2,422.3	kcal/kg
Metabolizable Energy (swine)	3,577.7	kcal/kg

GUARANTEED ANALYSIS:

BROMATOLOGICAL ANALYSIS

Moisture	Max.	70.0	g/Kg
Crude Protein	Min.	380.0	g/Kg
Ash	Max.	80.0	g/Kg

MICROBIOLOGICAL ANALYSIS

Total Plates Count	<15,000	CFU/g
Total Coliforms	<10	MPN/g
Fecal Coliforms	Absent	MPN/g
<i>Escherichia coli</i>	Absent	per 1 g
Mold and yeast	<100	CFU/g
Salmonellas	Absent	per 25g

AMINO ACIDS

		(1)	(2)	(3)
Alanine	%	2.50	2.19	1.97
Arginine	%	1.77	1.61	1.26
Aspartic Acid	%	4.10	3.78	2.39
Glycine	%	1.75	1.55	1.32
Isoleucine	%	1.91	1.71	0.66
Leucine	%	2.82	2.49	1.09
Glutamic Acid	%	4.20	3.84	3.26
Lysine	%	3.15	2.79	2.29
Cystine+Cystein	%	0.33	0.27	0.19
Methionine	%	0.58	0.52	0.34
Phenylalanine	%	1.68	1.50	0.73
Tyrosine	%	1.37	1.30	1.08
Treonine	%	2.24	1.97	1.13
Tryptophan	%	0.50	0.39	0.27
Proline	%	1.52	1.21	1.11
Valine	%	2.34	2.02	0.64
Histidine	%	0.88	0.80	0.48
Serine	%	2.30	2.04	1.53

(1) Total Amino Acids; (2) Digestible Amino Acids in Swine; (3) Digestible Amino Acids in Poultry.

THIS SPECIFICATION SHEET IS ONLY FOR INDICATIVE PURPOSE.

GABSA

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VITAMINS TYPICAL ANALYSIS:

Thiamine (B1)	ppm	76.0
Riboflavin (B2)	ppm	33.5
Pyridoxine (B6)	ppm	8.6
Cobalamin (B12)	ppm	0.9
Folic Acid	ppm	15.0
Biotin	ppm	2 - 5
Choline	ppm	1,000 – 5,000

MINERALS TYPICAL ANALYSIS:

Calcium	mg/100g	81±3
Phosphorus	mg/100g	686±10
Potassium	mg/100g	815±15
Magnesium	mg/100g	53±1
Sodium	mg/100g	1,314±29

DOSAGE:

SWINE

Piglets Pre Initial I	kg/ton. of feed	20.0
Piglets Pre Initial II	kg/ton. of feed	10.0
Piglets Initial I	kg/ton. of feed	5.0
Piglets Initial II	kg/ton. of feed	5.0
Grower and Finisher:	kg/ton. of feed	1.0
Sows	kg/ton. of feed	5.0

POULTRY

Broilers - Initial phases	kg/ton. of feed	5.0
Breeders	kg/ton. of feed	5.0
Layers (up to 35 days)	kg/ton. of feed	5.0
Layers (35 ~50 days)	kg/ton. of feed	2.0
Production	kg/ton. of feed	5.0
HORSES	kg/ton. of feed	3.0 to 5.0

AQUA

Shrimp

Post-larvae (1 to 4g)	kg/ton. of feed	20.0
Post-larvae & adult (up to 10g)	kg/ton. of feed	5.0
Juvenile & adult (> 10g)	kg/ton. of feed	5.0
Stressful Situation	kg/ton. of feed	10.0

Fish

Initial (larvae & post-larvae)	kg/ton. of feed	20.0
Juvenile	kg/ton. of feed	5.0
Stressful Situation	kg/ton. of feed	10.0

PET

Dogs

Adults	kg/ton. of feed	20.0
Therapeutic Diets	kg/ton. of feed	40.0
Puppy Diets	kg/ton. of feed	40.0

Cats

Kitten Diets	kg/ton. of feed	40.0
Adults	kg/ton. of feed	20.0

CHARACTERISTICS: *Fine powder, light beige to a dark brown color.

***LysCell** is a natural product derived from sugar cane ethanol fermentation and the product color may fluctuate from beige to light brown. This variation does not interfere with its functional quality.

PACKAGING: 25 kg multiwalled paper bags with polyethylene liner/800 kg tote bag.

STORAGE: Store in a cool and dry place, free from insects.

SHELF LIFE: 24 months from production date.

THE PRODUCT IS GMO FREE.

