

Product Description

BIOKVAS 45

Yeast protein concentrate

Product description: BIOKVAS 45 is a high-vegetable protein feed for animal feed, made of local nutrients, heat treated and partially fat free soybeans, soy protein isolate and other additives. It is a high quality product for animal nutrition.

Ingredients: soya proteins, livestock yeast enriched by living cells of the *Saccharomyces cerevisiae* 1026, minerals, enzymes, vitamins and antioxidants.

Chemical characteristics:

Composition	Limit values	Typical values
Protein (N x 6,25)	min 55,00	55,36
Moisture	max 8,00	4,04
Fat	min 5,00	6,45
Ash	max 7,00	4,98
Fibre	max 4,00	2,93
Urease activity ΔpH	mg/N/g/min	0,27
Energy value MJ/kg	for pigs	13,82
	for poultry	12,43

Amino acid composition:

Essential amino acids	Unit	Determined value
Lysine	%	3,91
Aspartate	%	6,33
Threonin	%	2,24
Serine	%	2,79
Tryptophan	%	0,71
Arginine	%	3,59
Proline	%	2,64
Glycine	%	2,34
Alanine	%	2,41
Valine	%	3,22
Cystine	%	0,94
Methionine	%	0,81
Isoleucine	%	2,63
Leucine	%	4,57
Glutamine	%	9,28
Tyrosine	%	2,30
Histidine	%	2,30
Phenilalanine	%	3,09

Toxic elements:

Toxic elements	Unit	Value allowed
Cadmium	mg/kg	max 0,50
Mercury	mg/kg	max 0,10
Lead	mg/kg	max 10,00
Arsenic	mg/kg	max 2,00

Organoleptic characteristics:

Appearance	Homogeneous fine powder without lumps
Color	Yellow- brownish
Smell	Characteristic
Taste	Characteristic

Mineral composition:

Minerals	Unit	Determined value
Phosphorus	%	0,62
Calcium	%	0,24
Sodium	%	0,06
Potassium	%	1,67
Magnesium	mg/kg	1.800,00
Iron	mg/kg	161,51
Zinc	mg/kg	39,50
Manganese	mg/kg	39,65
Copper	mg/kg	14,40
Selenium	mg/kg	0,23
Cobalt	mg/kg	0,09
Iodine	mg/kg	0,19

Microbiology:

Microbiology	Unit	Value allowed	Typical
Clostridium botulinum in 50 g/mL	CFU	not permitted	/
Clostridium perfringens in 50 g/mL	CFU	not permitted	/
E.Coli in 50 g/mL	CFU	not permitted	/
Proteus spp. in 50 g/mL	CFU	not permitted	/
Total count aerobic mesophilic bacteria in g/mL	CFU	max 12.000.000	30.000
Salmonella spp. in 50 g/mL	CFU	not permitted	/
Moulds and yeast in g/mL	CFU	max 200.000	<500
Listeria monocytogenes in 50 g/ml	CFU	not permitted	/
Streptococcus pyogenes in 50 g/ml	CFU	not permitted	/

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Usage:	The product is used as one component or as a protein feed in mixtures for finished feed. It is a major source of protein and protective micronutrients, minerals, vitamins, essential amino acids in the diet for all categories of domestic animals.
Storage conditions:	Keep in dry, cool place, safe from external influences
Shelf life:	9 months in original packing
Packaging:	25kg, double layer craft bags with intermediate PVC layer
VC layer	

Compliance with law regulations: In accordance with Law on food and feed safety Official Gazette of RS No.41/2009, Law on the GMO Official Gazette of RS No. 41/2009, Regulations on quality and other requirements for feed, Official Gazette of the Republic of Serbia no.04/2012, Regulation on maximum permitted amounts of residues of plant protection products in food and feed for which maximum allowable quantities of plant protection products are determined Official Gazette of RS No.25/2010., Official Gazette of RS No.28/2011.

In accordance with EC Regulation on Genetically Modified Food and Feed No 1929/2003 and 1830/2003.

BSE/TSE statement: Product doesn't contain ingredients with animal origin and doesn't scope under Regulative (EU) 999/2001

Traceability: Established in all phases of production, storage and transportation of ingredient and final product.

Product safety status: Product is safe for labelled intended use. Safety Data Sheet available on request.

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