百斯杰 Bestzyme

BestPhase

BestPhase (Phytase) is a feed enzyme fermented with an excellent genetic engineering strain and produced by advanced post treatment. Bestphase can break down phytic acid in feed and liberate phosphorus.

Specification

Name	BestPhase	Carrier	Starch
Strain	E.coli	EC code	3.1.3.26
Activity	10000 U/g	Form	Powder,Granular
Color	White, Light yellow	Loss on drying	Max 10%
Sieve analysis	80% or higher pass 40mesh		
Package	25kg /bag		
Storage	Stored 12 months under cover in cool and dry conditions		
Caution	Avoid direct sunlight and high temperature		

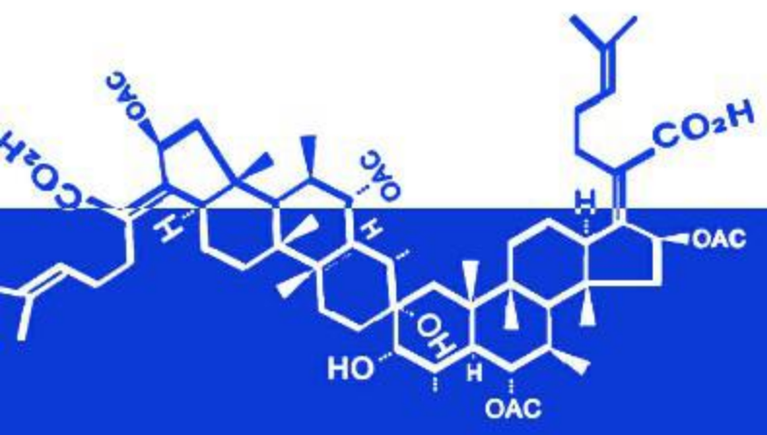
Functions

① Hydrolyze phytate in feeds, release digestible phosphorus, and increase the utilization of phosphorus in feed.

② Reduce the amount of supplemental inorganic P to lower the feed cost.

③ Decrease the harmful environmental impact of phosphorus from animal manure in areas with intensive livestock production.

④ Release other essential nutrients like proteins and inorganic cations, to give the feed a higher nutritional value.



Definition of activity

One unit of phytase activity (U) is defined as the amount of enzyme, which liberates 1 micromole of inorganic phosphorus per minute from 5.0 mmol/L of sodium phytate solution at pH 5.5 and 37 ℃.

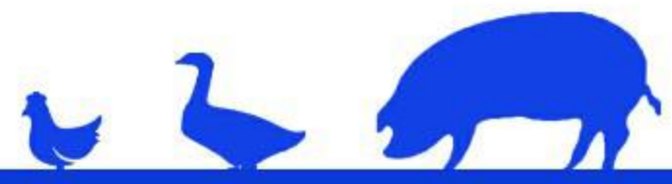
Dosage

Recommended dosage in Complete Feeds (10000 U/g).

Species	Dosage (Complete Feed)	
	g/t	U/kg
Broiler, Pig	50	500
Laying hen,Egg Duck	40	400

Note:

Dosages of concentrated feed and premix should follow the corresponding proportion, and add 3%-5% safety factor.



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Standard Matrix Value

Standard matrix values for BestPhase（10000U/g）

Nutrient	Laying hen		Broiler		Pig	
	Value	Amount provided in the diet	Value	Amount provided in the diet	Value	Amount provided in the diet
Metabolizable energy（Mcal/kg）	1100	0.044	1100	0.055	186	0.0093
Crude protein, %	4600	0.184	4600	0.230	4000	0.200
Available phosphorus, %	4100	0.164	2100	0.105	2000	0.100
Calcium, %	3340	0.1336	2000	0.100	2000	0.100
Lysine, %	240	0.0096	160	0.008	160	0.008
Methionine, %	30	0.0016	30	0.002	60	0.003
Cystine, %	60	0.0024	60	0.003	70	0.0035
Threonine, %	260	0.0104	240	0.012	240	0.012
Tryptophane, %	60	0.0024	60	0.003	60	0.003
Isoleucine , %	240	0.0096	210	0.0105	100	0.005
Arginine , %	200	0.008	220	0.011	240	0.012
Valine , %	280	0.0112	200	0.01	200	0.01

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