

# BestPhase HT

## Description

BestPhase HT is a highly efficient thermostable 6-phytase. Feed ingredients contain amounts of phosphate. However, phosphorus from plant phosphate is usually less digestible than inorganic phosphorus added to diet. Bestphase HT greatly breaks down phosphate, releases plant phosphorus, and reduces both feed costs and environmental impact.

## Specification

Name	BestPhase HT	Activity	5000-200000 U/g
Strain	E.coli	EC code	3.1.3.26
Form	Granular, powder	Carrier	Starch
Color	White, Little yellow	Loss on drying	≤10%
Working pH	2.5-6.0	Optimum pH	3.5
Working T	30°C-80°C	Optimum T	70°C
Package	25kg /bag		
Storage	Stored 12 months under cover in cool and dry conditions		
Caution	Avoid direct sunlight and high temperature		

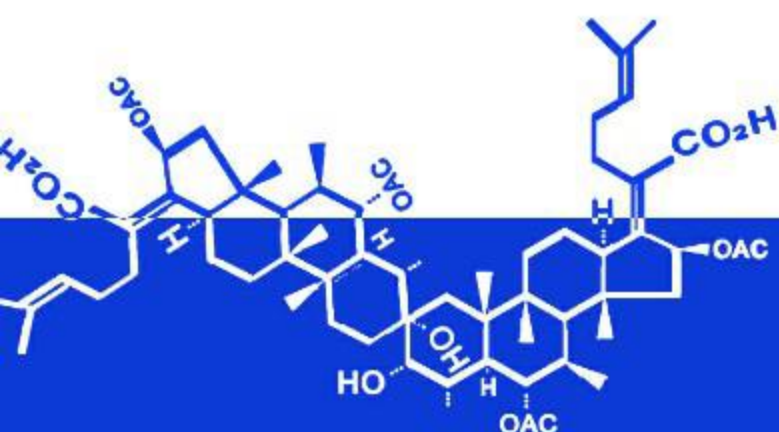
Definition of Activity: One unit of phytase activity (U) is defined as the amount of enzyme which liberates 1 μmol of inorganic phosphorus per minute from 5.0 mmol/L of sodium phytate solution at pH 5.5 and 37°C.

## Advantages

- ① Outstanding heat stable up to 85°C for pelleting.
- ② High tolerance to animal acid gastrointestinal environment.
- ③ Well free-flowing.

## Functions

- ① Hydrolyze phytate in feed ingredients, release digestible phosphorus, and increase the utilization of phosphorus in livestock and poultry.
- ② Improve the availability and digestibility of nutrients such as mineral, amino acid and protein.
- ③ Decrease the supplemental of mono- and di- calcium phosphate and improve substantial cost savings.
- ④ Decrease the excretion of phosphorus in manure and reduce the environmental pollution.



# BestPhase HT

## 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:

- ① The optimal dosage should vary depending on corresponding proportion in concentrated feed and premix. Moreover, add 3%-5% safety factor.
- ② When pelleting temperature more than 85°C, please contact our technical personnel or sales.

## Stand Matrix Value

Standard matrix values for BestPhase HT (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