

Genphase HPS-10000

Genphase HPS-10000 is a new generation of phytase produced by submerged fermentation and particular downstream processing technology by GBW Group. It can hydrolyze phytate, release digestible phosphorus, and facilitate phosphorus utilization in animal feed.

Definition of U

One U is defined as the amount of enzyme needed per minute for releasing 1 μ mol of inorganic phosphorus from the sodium phytate, the concentration of which is 5.0mmol/L, at 37°C, pH 5.5.

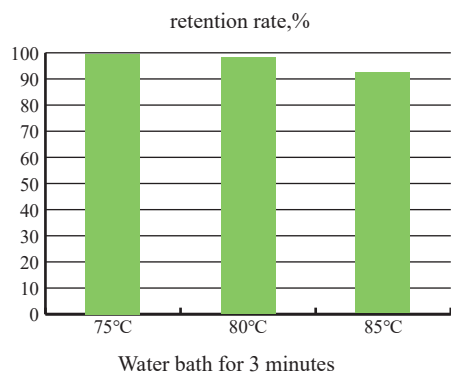
Functions

- Hydrolyze phytate to release available phosphorus in plant feed ingredients.
- Reduce usage of inorganic phosphate such as dicalcium phosphate (DCP) or monocalcium phosphate(MCP), and save formula space.
- Fecal phosphorus could be reduced by more than 20%. Reduce the pollution to the environment.
- Improve the availability of nutrients such as minerals and proteins and improve animal performance.
- Cut down the risk of the heavy metals or fluorin by supplemental dicalcium phosphate.

Dosage

Animals	Dosage(10000U/g)/T	Phytase in feed(U/kg feed)
Swine	50-100g	500-1000
Broiler	50-100g	500-1000
Duck	50-100g	500-1000
Layer	40-80g	400-800

Characteristics

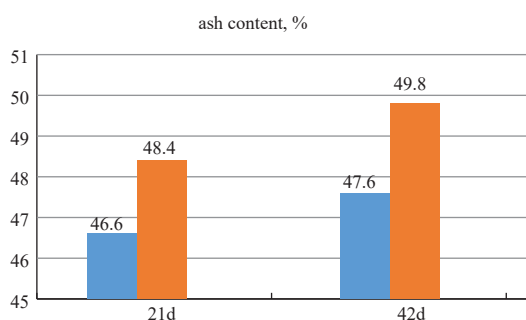
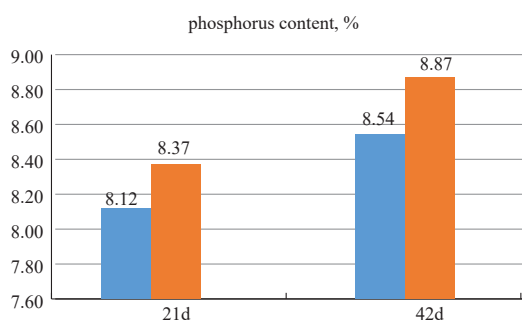


	Sample I U/g	Sample II U/g	Sample III U/g	Sample IV U/g	Sample V U/g	Average U/g	Survival rate,%
Mixing	46	47	47	45	46	46.2	87.01
Pelleting	40	41	41	39	40	40.2	

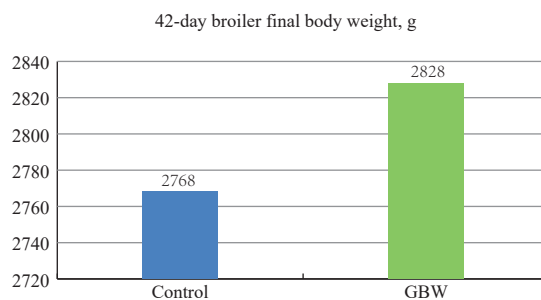
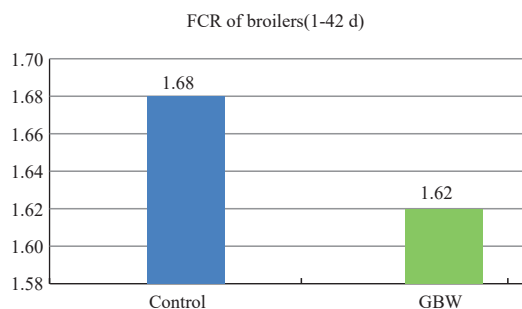
Pelleting in 85°C

Trial results

◆ Effect of Genphase HPS-10000 on the phosphorus and ash content in tibia of broiler



◆ Effect of Genphase HPS-10000 on the performance of broiler



Package and storage

Precautions

- 1 Stored at shady, ventilated, dark and dry place, stay away from rain, water, toxic and hazardous substances.
- 2 Use as soon as possible after package is opened, and the remaining part needs sealed storage.
- 3 Avoid inhalation when using, avoid contacting with skin or mucous membrane, and rinse with water immediately if it happens.

Shelf life

The shelf life is 12 months when stored at shady, ventilated, dark and dry place.

Package

25kg/bag