



Alpiphyt

Unlocking Phosphorus, Enhancing
Performance



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Product Overview

Alpiphyt is a highly effective phytase enzyme supplement designed to improve phosphorus utilization in poultry feed. By breaking down phytate-bound phosphorus in plant-based feed ingredients, Alpiphyt enhances nutrient absorption, promotes better growth performance, and reduces environmental phosphorus excretion. Alpiphyt is a 3-phytase enzyme obtained from *Aspergillus niger* and bacteria *E. coli*.

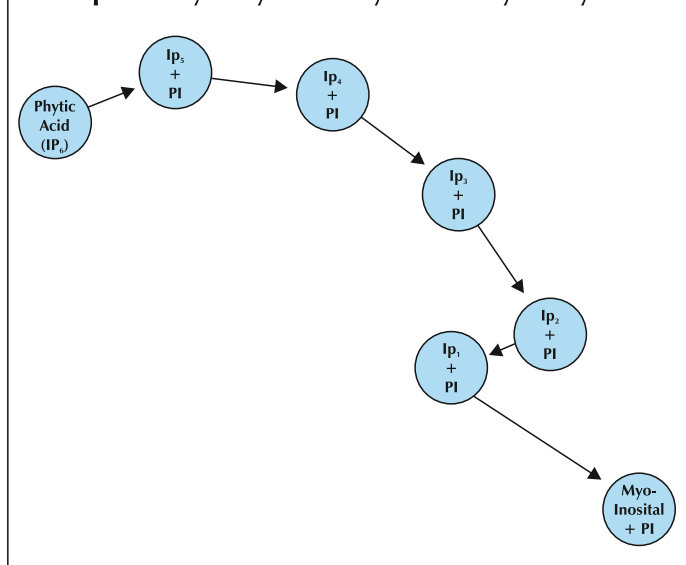
Composition :

5000 FTU/gm (also available in 10000 FTU/gm)

Mode of Action:

Alpiphyt, a 3-phytase enzyme breaks down phytic acid (inositol hexakisphosphate, IP_6) present in plant-based poultry feed. By hydrolysing the phosphate group at the 3rd carbon position, it sequentially degrades phytate into lower inositol phosphates while releasing inorganic phosphorus (Pi), making it bioavailable for poultry. This process enhances phosphorus, calcium, and mineral absorption, improves gut health and feed efficiency, and reduces anti-nutritional effects and phosphorus excretion into the environment, promoting sustainable poultry nutrition.

Stepwise Hydrolysis of Phytic Acid by 3-Phytase



Advantages of Alpiphyt

- Superior Stability – Fungal 3-phytase remains active in a wide pH range (2.5–5.5), ensuring effective phosphorus release throughout digestion.
- Higher Phytate Breakdown – Alpiphyt efficiently hydrolyses phytate-bound phosphorus, improving mineral bioavailability (calcium, zinc, and amino acids).
- Enhanced Heat Stability – More resistant to high temperatures.
- Better Gut Health – Reduces undigested phytate, minimizing intestinal irritation and anti-nutritional effects.
- Lower Environmental Impact – Maximizes phosphorus utilization, significantly reducing phosphorus excretion and pollution.
- Cost-Effective Nutrition – Improves feed efficiency (FCR) and minimizes the need for inorganic phosphorus supplementation, lowering feed costs.

Recommended Dosage

80-100 g per tonne of feed

| Matrix Value | |
|------------------------|--|
| Feature | Details |
| Phosphorus Enhancement | Improves matrix value of phosphorus (P) by 0.1% |
| Practical Benefit | At 500 FTU/kg feed, Alpiphyt increases available phosphorus by 0.1%, equivalent to approximately 6.3 kg of Dicalcium Phosphate (DCP) per ton of feed |

Presentation :

Form: Granular / Powder

Packaging: Available in 25 kg Bags

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