



Omizyme-Gold

Advanced Multi-Enzyme Technology for Poultry Nutrition



Overview

Omizyme-Gold is a scientifically formulated multi-enzyme complex developed to enhance the digestion and utilization of nutrients in poultry feed. It combines the synergistic power of xylanase, amylase, β -glucanase, and phytase to break down complex feed molecules, thereby improving nutrient absorption, growth rate, and feed conversion efficiency.

The formulation ensures optimal gut health and performance even under varied feed formulations, making it ideal for both broilers and layers.



Composition

A highly potent blend of feed-grade enzymes formulated on a calcium carbonate carrier for uniform mixing and stability:

- **Endo-1,4-beta-xylanase** – breaks down arabinoxylans in plant cell walls, improving nutrient release.
- **Alpha-amylase** – converts complex starches into easily digestible sugars for better energy utilization.
- **Beta-glucanase** – reduces intestinal viscosity caused by β -glucans, enhancing nutrient absorption.
- **Phytase** – liberates bound phosphorus and other minerals, improving mineral bioavailability and reducing waste output.



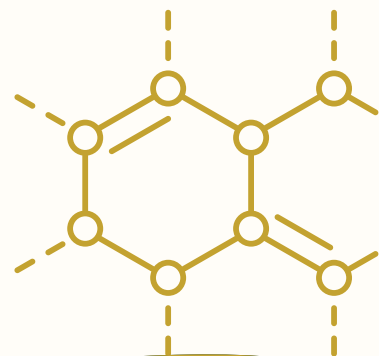
Mode of Action

- **Xylanase** hydrolyzes arabinoxylans, breaking down cell wall barriers and improving access to encapsulated nutrients.
- **Amylase** acts on starch molecules, converting them into simpler sugars for rapid energy release.
- **Beta-glucanase** breaks β -glucans in cereals such as barley and wheat, reducing gut viscosity and improving digestion.
- **Phytase** hydrolyzes phytate-bound phosphorus, releasing usable phosphorus, calcium, and trace minerals while minimizing excretion losses.



Benefits

- Enhances nutrient digestibility and feed efficiency
- Improves growth rate and FCR (Feed Conversion Ratio)
- Boosts energy and mineral utilization
- Reduces gut viscosity and promotes gut health
- Lowers phosphorus excretion, supporting environmental sustainability
- Ensures consistent performance across various feed ingredients





Presentation

Available in 25 kg Drums

DOSAGE (g/ton complete feed)	
Species	g/ton complete feed
Broilers	200
Layers	120
Breeders	500

MATRIX VALUES (%)		MATRIX VALUES (%)	
Parameter	%	Parameter	%
Humidity	2	Pav. Layers	1220
Protein	1.4	Pav. Broilers	732
Fat	0.2	Pav. Breeders	3458
Starch + sugars	1.5	Calcium	625
Ash	92	Dig Lysine Poultry	125
Sodium	0.004	Dig Methionine Poultry	15
Potassium	0.22	Dig Threonine Poultry	100
Chlorine	0.07	Dig Tryptophane Poultry	25
Magnesium	0.07		
Salt	0.11		

ENERGY LEVELS POULTRY		
Species	kcal/kg	MJ/kg
Broilers	500,000	2090
Layers	500,000	2090
Breeders	575,000	2406



At Horus International Pvt. Ltd., we are dedicated to advancing the health, productivity, and well-being of animals through innovative nutritional solutions. Our Animal Health & Nutrition Division serves as a trusted partner to farmers, veterinarians, and feed manufacturers across India and beyond, delivering **science-backed** products designed to enhance performance, improve immunity, and ensure **sustainable** production of **poultry, livestock and aquaculture**. With a strong foundation in research and **global collaboration**, we bring together world-class formulations and locally adapted technologies to meet the evolving needs of the poultry, dairy, and aquaculture sectors. From feed additives and probiotics to veterinary formulations and biosecurity solutions, our portfolio reflects our commitment to **quality, efficacy, and safety**. Driven by our core values of Integrity, Innovation, and Impact, we aim to contribute to a healthier food chain while empowering our partners with reliable products and technical expertise. At Horus International, we believe that healthy animals build a healthy world—and every product we create is a step toward that **vision**.



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