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# NANOZYME

Premium Liquid Enzyme Mix for Enhanced  
Biological Activity

*Precision Enzymes for Peak Poultry Health*

## — Key Performance Benefits —

- ✓ Enhanced Digestion & Nutrient Absorption
- ✓ Supports Gut Health
- ✓ Optimized Feed & Growth Efficiency
- ✓ Comprehensive Natural Herbal Support for Digestive Health





## Overview

Nanozyme is an advanced, next-generation multi-enzyme feed supplement specifically formulated to promote optimal digestive health and maximize nutrient utilization in poultry. This innovative product combines a carefully selected spectrum of exogenous enzymes, natural plant extracts (phyto-extracts), and beneficial probiotics to support efficient digestion, enhance nutrient absorption, and strengthen gut integrity. Designed for use across all poultry species, Nanozyme not only improves feed conversion efficiency but also helps maintain a robust digestive system, supports immune resilience, and promotes overall growth performance. Its scientifically developed formulation ensures that birds can thrive even under stressful or challenging rearing conditions, making it an essential tool for modern poultry nutrition and farm productivity.



## Composition

Each 100 ml contains

Category	Ingredient	Quantity per 100 ml
<b>Enzymes</b>	Cellulase	40,000 IU
	Xylanase	200,000 IU
	Pectinase	42,500 IU
	Protease	20,000 IU
	Phytase	40,000 IU
	$\alpha$ -Amylase	20,000 IU
	$\beta$ -Glucanase	20,000 IU
	Mannanase	15,500 IU
	Lipase	12,500 IU
<b>Herbal Ingredients</b>	Cichorium Endivia Seeds	200 mg
	Andrographis Paniculata	200 mg
	Rosa Damascena	100 mg
	Cichorium Endivia Root	400 mg
	Rheum Emodi	150 mg
<b>Probiotics</b>	S. Cerevisiae	5000 million CFU
	L. Acidophilus	5000 million CFU



## Mode of Action

- **Cellulase, Xylanase, and Pectinase:** Help degrade complex plant cell wall components such as cellulose, hemicellulose, and pectin, thereby releasing trapped nutrients and improving their availability for absorption.
- **Protease, Phytase,  $\alpha$ -Amylase,  $\beta$ -Glucanase, Mannanase, and Lipase:** Work synergistically to break down proteins, phytate-bound minerals, starches,  $\beta$ -glucans, mannans, and fats, resulting in enhanced digestion and superior nutrient utilization.
- ***S. cerevisiae* and *L. acidophilus*:** Support the growth of beneficial gut microflora, suppress harmful bacteria, strengthen intestinal balance, and contribute to improved immune response and gut health.
- **Cichorium Endivia, Andrographis Paniculata, Rosa Damascena, and Rheum Emodi:** Function as natural herbal bioactives that help stimulate immunity, support liver function, protect the digestive tract, and promote overall health and vitality. Encourages healthy bile secretion, assists in natural detoxification processes, and enhances resistance against harmful microbial challenges.



## Benefits

- Enhances nutrient digestion and absorption, leading to improved Feed Conversion Ratio (FCR) and more efficient feed utilization.
- Promotes faster growth, better weight gain, and improved overall production performance in poultry.
- Helps reduce the negative effects of anti-nutritional factors present in feed ingredients, ensuring maximum nutrient availability.
- Supports intestinal health and gut integrity, thereby lowering the risk of enteritis, digestive disturbances, and diarrhea.
- Provides natural immune support along with antioxidant protection to help birds remain healthy and resilient under stress conditions.
- Contributes to a cleaner environment by minimizing nutrient wastage and reducing the excretion of undigested feed components.



## Dosages

**Broilers:** 1 ml – 1.5 ml per litre of drinking water OR 100 ml per 100 kg of feed

**Layers / Breeders:** 1 ml per litre of drinking water OR 100 ml per 100 kg of feed



## Presentation

Form: Liquid

Packaging: Available in 500 ml and 1 L HDPE bottles



At Rigel Global Pvt. Ltd., we are committed to enhancing animal health, productivity, and overall well-being through advanced nutritional and healthcare solutions. Our Animal Health & Nutrition Division partners closely with farmers, veterinarians, and feed manufacturers across India and international markets, delivering scientifically validated products that support performance optimization, immune strength, and sustainable production in poultry, livestock, and aquaculture. Backed by a robust research-driven approach and global collaborations, we integrate internationally proven formulations with region-specific technologies to address the dynamic needs of the poultry, dairy, and aquaculture industries. Our diverse portfolio spans feed additives, probiotics, veterinary formulations, and biosecurity solutions –each developed with a strong focus on quality, efficacy, and safety.

Guided by our core principles of Integrity, Innovation, and Impact, Rigel Global Pvt. Ltd. strives to strengthen the food value chain while empowering partners with dependable products and expert technical support. We believe that healthy animals are the foundation of a healthy world, and every solution we deliver reflects this enduring commitment.



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