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# NANOZYME

*Precision Enzymes for Peak Poultry Health*

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## Product Overview

NANO ZYME is a next-generation, multi-enzyme feed additive designed to enhance digestion, nutrient absorption, and gut health in poultry. It combines a unique spectrum of exogenous enzymes, phyto-extracts, and probiotics to optimize performance and improve feed efficiency. Suitable for use in all poultry species, this advanced formulation is tailored to support digestive resilience and immune function, even under challenging rearing conditions.

## 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           |
|                           | Cichorium Endivia Seeds | 200 mg              |
| <b>Herbal Ingredients</b> | Andrographis Paniculata | 200 mg              |
|                           | Rosa Damascena          | 100 mg              |
|                           | Cichorium Endivia Root  | 400 mg              |
|                           | Rheum Emodi             | 150 mg              |
|                           | S. Cerevisiae           | 5000 million CFU    |
| <b>Probiotics</b>         | L. Acidophilus          | 5000 million CFU    |

## Mechanism of Action

- **Cellulase, Xylanase, Pectinase:** Break down plant cell wall fibres (cellulose, hemicellulose, pectin), releasing entrapped nutrients.
- **Protease, Phytase,  $\alpha$ -amylase,  $\beta$ -glucanase, Mannanase, Lipase:** Digest proteins, phytate-bound minerals, starches,  $\beta$ -glucans, mannans, and fats respectively, improving nutrient availability.
- **S. cerevisiae and L. acidophilus:** Compete with harmful bacteria, enhance gut flora balance, and support immune modulation.
- **Cichorium Endivia, Andrographis Paniculata, Rosa Damascena, Rheum Emodi:** Act as natural immunostimulants, liver tonics, and gut protectants.
- Promote bile flow, detoxification, and microbial resistance.

## Benefits

- **Enhanced nutrient digestibility** and better FCR (Feed Conversion Ratio)
- **Improved growth rates** and production performance
- **Reduction in anti-nutritional effects** of feed ingredients
- **Supports gut integrity**, reducing risk of enteritis and diarrhea
- **Natural immune boosting** and antioxidant protection
- **Minimized environmental impact** due to reduced nutrient excretion

## Inclusion Recommendations

- **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

Available in 500 ml HDPE bottles

Manufactured by Horus International Pvt. Ltd.

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