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CurcuProtec

Concentrated Curcumin Oil

Curcumin-Driven Protection for Modern Animal Nutrition



Overview

CurcuProtec is a concentrated curcumin oil-based feed supplement designed to support gut health, immunity, and performance in poultry. It contains bioactive turmeric oil rich in curcuminoids and turmerones, synergistically combined with capsicum oil extract. CurcuProtec exhibits natural antimicrobial, antioxidant, and anti-inflammatory properties. It helps maintain intestinal hygiene by suppressing pathogenic microorganisms. The formulation promotes beneficial gut microflora and improves nutrient absorption.



Composition

CurcuProtec contains a concentrated turmeric oil extract standardized for high curcumin content, combined with capsicum oil extract. This carefully balanced formulation ensures optimal synergy between antimicrobial activity, digestive support, and immune modulation, while maintaining feed stability and palatability.



Mode of Action

The curcuminoids present in CurcuProtec exhibit broad-spectrum biological activity, including **antiviral**, **antibacterial**, **antifungal**, and **antiprotozoal** effects. These actions help suppress pathogenic microorganisms in the gastrointestinal tract, reducing microbial pressure and supporting intestinal hygiene. Curcumin also demonstrates strong **anti-inflammatory** and **antioxidant** properties, protecting intestinal tissues from oxidative stress and inflammation-related damage.

CurcuProtec enhances gut morphology by improving villi height and density, leading to increased absorptive surface area and improved secretion of digestive enzymes. This results in better digestion, enhanced nutrient absorption, and **improved feed conversion efficiency**. The formulation supports the proliferation of beneficial gut microflora, such as *Lactobacillus* species, while inhibiting the growth of harmful bacteria and protozoa, including those associated with coccidial challenges.

In laying birds, CurcuProtec supports **mineral metabolism** by improving calcium utilization and deposition, contributing to stronger eggshells, **increased shell thickness**, and **improved shell quality**. Capsicum oil plays a complementary role by stimulating appetite, enhancing digestive secretions, **improving metabolic activity**, and **supporting feed hygiene** by reducing the risk of mold and mycotoxin development.



Benefits

- Supports gut integrity and intestinal health
- Strengthens immune response and disease resistance
- Helps manage coccidial impact and improves lesion scores
- Enhances nutrient digestibility and feed conversion ratio (FCR)
- Improves feed intake and metabolic efficiency
- Enhances meat quality and reduces drip loss
- Reduces abdominal and subcutaneous fat deposition
- Supports egg production, eggshell thickness, and shell strength
- Improves feed stability and reduces mycotoxin-related risks



Dosages

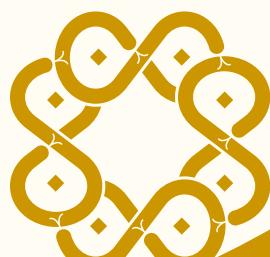
CurcuProtec is suitable for broilers, layers, and breeders at all stages of production.

Recommended inclusion rate: 500 g - 1 kg per tonne of feed, replacing an equivalent quantity of soya or rice bran oil.



Presentation

25 kg drum





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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