

# DOTCAL - P

## Bone Support & Calcium Absorption Feed Supplement for Poultry (MCHC-Based Formula)

### Description

This is a **premium bone health and skeletal support feed supplement** for poultry, formulated using **Microcrystalline Hydroxyapatite Complex (MCHC)** — a highly bioavailable source of calcium and phosphorus — fortified with **Vitamin D<sub>3</sub>** to enhance calcium absorption. MCHC is derived from purified bovine bone matrix and is recognized for its superior osteogenic activity compared to standard calcium sources. This product supports bone mineralization, improves eggshell strength, and prevents calcium and phosphorus deficiencies in all poultry types.

### Specification

- Microcrystalline Hydroxyapatite Complex (MCHC)  
→ Equivalent to:
  - Calcium Gluconate: 165 mg
  - Phosphorus: 75 mg
- Vitamin D<sub>3</sub>: 500 IU (International Units)

### Category & Pack Size

- Category: Poultry
- Pack Sizes: 1 kg, 5 kg, 20 kg

### Indication

Indicated for use in poultry to:

- Improve bone strength and skeletal development
- Prevent calcium and phosphorus deficiency
- Enhance eggshell thickness and quality in layers
- Support growth in broilers and breeders
- Prevent rickets and leg deformities in young chicks

## Dosage and Administration

- Dosage:
  - 500 g – 1 kg per metric ton of feed
  - Or as recommended by a veterinarian or poultry nutritionist
- Administration:
  - To be mixed thoroughly with daily feed ration

## Product Form

- Fine powder feed supplement / Granules

## Usage

Designed for routine inclusion in poultry feed formulations — suitable for **layers, broilers, breeders, and growing chicks** — especially during peak production, skeletal growth stages, or when signs of mineral deficiency are observed.

## Advantages

- Superior bioavailability via MCHC compared to traditional calcium salts
- Promotes stronger bones and better posture in birds
- Enhances egg production and shell hardness
- Reduces risk of osteoporosis and leg issues in high-performing layers
- Fortified with Vitamin D<sub>3</sub> for optimal calcium utilization

## Adverse Effects

- Safe when used as directed
- Over-supplementation may cause calcium imbalance or reduced phosphorus absorption
- Always follow nutritional guidelines

## Schedule

Non-controlled nutritional feed supplement — no veterinary prescription required.

## **Precautions**

- Use only in animal feed — not for human consumption
- Store in airtight containers after opening
- Avoid moisture and contamination during use
- Consult veterinarian before use with other calcium-rich additives

## **Withdrawal Period**

No withdrawal period required. Safe for layers, broilers, and breeders at all life stages.

## **Storage and Handling**

- Store in a cool, dry place below 30°C
- Protect from humidity and direct sunlight
- Reseal bag/tub after each use to prevent clumping or spoilage

## **HS & HSN Codes**

- HS Code: 2309.90 (Preparations used in animal feeding)
- HSN Code: 23099000

## **Special Instructions**

- Use within 30 days of opening for best results
- Ensure uniform mixing in feed to avoid dose inconsistencies
- Do not administer with high-dose antibiotics unless advised

## **Details of Human and Veterinary Application**

- For veterinary use only
- Not intended for therapeutic use in humans
- Handle with clean, dry equipment to ensure feed safety

## **? Frequently Asked Questions (FAQs)**

**Q1: What is MCHC?**

**A1: Microcrystalline Hydroxyapatite Complex (MCHC)** is a natural bone-derived source of calcium and phosphorus, known for its **high absorption rate and bone-building properties**.

**Q2: Is this product safe for all poultry breeds?**

**A2:** Yes, it is suitable for **layers, broilers, breeders, and chicks** at all stages of development.

**Q3: Can it improve eggshell quality in laying hens?**

**A3:** Absolutely — the calcium and phosphorus combination, enhanced with Vitamin D<sub>3</sub>, helps **increase shell thickness and reduce breakage**.

**Q4: Can this be used with other mineral supplements?**

**A4:** Yes, but check with a **poultry nutritionist** to avoid calcium-phosphorus imbalances.

**Q5: What's the role of Vitamin D<sub>3</sub> in this formula?**

**A5: Vitamin D<sub>3</sub> enhances calcium absorption** from the intestine, ensuring the calcium in the product is properly utilized by the bird's body.

