

# BIODOT-H

## Vitamin H (Biotin) 20 mg – Veterinary Feed Supplement

### Description

Vitamin H, also known as Biotin or Vitamin B7, is a water-soluble B-vitamin essential for the metabolism of fats, carbohydrates, and proteins. It supports healthy skin, coat, hooves, and overall growth in animals. This product contains Biotin at 20 mg per gram, formulated with excipients (q.s.—quantum satis, meaning sufficient quantity) to produce a veterinary feed supplement for cattle, poultry, and aquaculture species.

### Specification

- Active Ingredient: Biotin (Vitamin H) – 20 mg per gram
- Appearance: Fine white to off-white powder or granules
- Purity:  $\geq 98\%$  as per pharmacopoeia standards
- Solubility: Water-soluble
- Identification Tests: Confirmed by UV spectroscopy and HPLC
- Microbial Limits: Within acceptable veterinary feed limits
- Heavy Metals: Compliant with regulatory maximum limits (Lead, Arsenic, Mercury, Cadmium)
- Excipients: Inert carriers and stabilizers, free from toxic substances

### Category

This product falls under the **Veterinary Nutritional Additives** category. It is specifically formulated as a feed supplement for **Cattle, Poultry, and Aquaculture species**, aimed at improving animal health, growth, and productivity through essential vitamin supplementation.

### Pack Size

Supplied in a **250-gram jar**, designed for convenient and precise dosing in veterinary feed supplementation. The jar facilitates easy measurement and mixing for farm and aquaculture use.

## Indications

- Prevention and treatment of biotin deficiency in cattle, poultry, and aqua species
- Supports hoof, skin, and coat health
- Improves egg shell quality and reproductive performance in poultry
- Enhances metabolic processes related to fat and energy metabolism
- Promotes optimal feed conversion ratio and growth rate

## Composition

- Biotin (Vitamin H): 20 mg/g
- Excipients: Carriers, anti-caking agents, and stabilizers (q.s. to 1 gram)

## Dosage and Administration

- Species: Cattle, Poultry, and Aquaculture
- Route: Oral administration via feed supplementation
- Dosage:
  - Cattle: 20-30 mg per head per day
  - Poultry: 1-2 mg/kg of feed
  - Aquaculture: 0.1-0.5 mg/kg of feed (species-dependent)
- Duration: Continuous or as recommended by a veterinary professional
- Instructions: Mix evenly into the daily feed ration for uniform intake

## Product Form

Powdered feed supplement, supplied in **250 gm jars** for ease of handling and dosing.

## Usage

To be mixed directly into animal feed as a nutritional supplement to provide essential biotin, enhancing animal health and productivity. Suitable for routine nutrition in livestock and aquaculture operations.

## **Advantages**

- Supports metabolic efficiency and nutrient utilization
- Enhances skin, coat, hoof, and egg quality
- Improves reproductive and growth performance
- Easy feed integration and administration
- Manufactured free from harmful contaminants

## **Adverse Effects**

Generally safe with a wide therapeutic margin. Overdosage may cause mild gastrointestinal upset or rare allergic reactions. Follow dosage guidelines carefully.

## **Withdrawal Period**

No withdrawal period is required for meat, milk, or eggs when used as directed.

## **Storage**

Store in a cool, dry place away from direct sunlight and moisture. Keep container tightly sealed. Recommended storage temperature is 15°C to 30°C.

## **Handling Precautions**

- Avoid inhalation of dust
- Use gloves and masks when handling large quantities
- Keep away from children and unauthorized personnel
- Follow good hygiene and manufacturing practices

## **HS Code**

HS Code: 2936.29 – Other vitamins and their derivatives

## **HSN Code**

HSN Code: 2936 – Other vitamins and their derivatives

## **Special Instructions**

- Ensure thorough mixing in feed to avoid under or overdosing
- Use under veterinary supervision for best results
- Monitor animal health regularly to evaluate effectiveness
- Avoid combination with antagonistic substances that may inhibit vitamin absorption

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

- This formulation is strictly for veterinary use as a feed supplement and is not intended for human consumption.
- Biotin is also essential for human nutrition, but human formulations differ in dose and excipients.
- Veterinary application improves health and productivity in cattle, poultry, and aquaculture species.

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

### **Q: What is Vitamin H (Biotin)?**

A: Vitamin H, also called Biotin or Vitamin B7, is a water-soluble vitamin essential for metabolism of fats, carbohydrates, and proteins in animals.

### **Q: Which animals can use this supplement?**

A: This supplement is intended for cattle, poultry, and aquaculture species.

### **Q: How is this product administered?**

A: It is administered orally by mixing into the animals' daily feed.

### **Q: Are there any side effects?**

A: Generally safe; overdosage may cause mild gastrointestinal upset or rare allergic reactions.

### **Q: Is there a withdrawal period?**

A: No withdrawal period is required when used as directed.

### **Q: How should the product be stored?**

A: Store in a cool, dry place, away from sunlight and moisture.

### **Q: Can humans use this product?**

A: No, this product is for veterinary use only.

### **Q: What is the difference between HS and HSN codes?**

A: HS Code is an internationally standardized product classification system. HSN Code is the Indian adaptation used for customs and taxation purposes.