

# GROWDOT - FORTE

## Advanced Amino Acid-Mineral-Vitamin Supplement for Veterinary Use

### **Description**

A premium liquid veterinary feed supplement formulated with essential amino acids, bioavailable minerals, critical vitamins, and phospholipid-enriched carriers. Designed to optimize growth, metabolic activity, feed conversion ratio (FCR), liver health, and overall productivity in both cattle and poultry. This formulation enhances nutrient utilization and supports recovery during stress, illness, or antibiotic therapy.

### **Specification**

#### **Amino Acid Components:**

- Methionine Hydroxy Analog (MHA) Activity – 130 g
- Lysine Hydrochloride – 65 g

#### **Vitamin Components:**

- Choline Chloride – 65 g
- Biotin – 120 mg
- Vitamin B12 – 120 mg
- Inositol – 625 mg

#### **Mineral Components:**

- Sodium – 460 mg
- Phosphorus – 150 mg
- Magnesium – 600 mg
- Zinc – 215 mg
- Iron (as Ferrous Salt) – 225 mg
- Copper – 160 mg
- Cobalt – 225 mg
- Manganese – 400 mg
- Selenium – 5 mg

#### **Base:**

Enriched with phospholipids and aqueous carriers suitable for animal administration

## **Indication**

- Enhances amino acid balance and protein synthesis
- Improves liver function, feed efficiency, and metabolic performance
- Supports growth, weight gain, milk yield, and egg production
- Strengthens immune response and recovery from stress
- Improves skin, feather, hoof, and muscle tone in livestock and poultry
- Helps reduce fatty liver and metabolic disorders

## **Dosage & Route of Administration**

**Route:** Oral (via drinking water or feed mixing)

### **Cattle:**

- Adult: 30–50 mL per animal per day
- Calves: 10–20 mL per animal per day

### **Poultry:**

- Broilers/Layers: 5–10 mL per 100 birds per day
- Breeders: 10–15 mL per 100 birds per day

**Frequency:** Daily or as advised by veterinarian or nutritionist

## **Product Form**

Liquid feed supplement

Available in **1 Litre and 5 Litre** plastic containers with seal cap

## **Usage (Advantages)**

- Provides critical amino acids like MHA and lysine for growth and performance
- Delivers essential micro and microminerals for immune, metabolic, and reproductive health
- Improves feed conversion and nutrient absorption
- Supports egg shell strength, meat quality, milk production
- Protects liver cells and enhances detoxification
- Useful in high-performance, post-antibiotic, and recovery periods

## **⚠ Adverse Effects (Side Effects)**

- Overdosage may cause mineral imbalance or digestive upset
- Excess methionine may affect sulphur metabolism in rare cases
- No known long-term side effects at recommended dosage

## **🔍 Schedule**

Non-prescription veterinary nutritional feed supplement

Does not contain drugs, antibiotics, or hormones

Complies with animal feed additive regulations

## **⚠ Precautions**

- Use only as directed
- Shake well before each use
- Ensure clean water/feed mixing for accurate dosing
- Avoid mixing with incompatible or overlapping supplements
- Monitor livestock response when introducing for the first time

## **🔄 Withdrawal Period**

**Zero (0) days**

Safe for use in lactating and meat-producing animals without withdrawal restriction

## **📦 Storage & Handling**

- Store in a cool, dry place below 30°C
- Protect from heat and direct sunlight
- Do not freeze
- Keep tightly closed when not in use
- Keep out of reach of children

## **🌐 HS / HSN Code**

**HS Code:** 230990

**HSN Code (India):** 2309.90.10

## **Special Instructions**

- Ensure adequate protein and energy in the base diet to maximize benefit
- Can be continued during heat stress, recovery, or performance dips
- Compatible with most feed and antibiotic programs
- For poultry: Mix fresh daily into water or feed
- For cattle: Preferably dose in the morning for better uptake

## **Human and Veterinary Application Details**

- **Veterinary Use Only** – For cattle and poultry
- **Not for human use**  
Avoid direct contact during handling. Use gloves when necessary. Wash hands thoroughly after use

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

### **Q: What is Methionine Hydroxy Analog (MHA)?**

A: MHA is a bioavailable form of methionine, an essential amino acid involved in protein synthesis and liver function.

### **Q: Why is this supplement important for poultry and cattle?**

A: It improves feed efficiency, metabolism, immunity, and productivity, especially in high-demand periods like growth, egg laying, or lactation.

### **Q: Can it be used with antibiotics or vaccines?**

A: Yes, it is compatible with most health protocols. Always consult a veterinarian for concurrent use.

### **Q: Is it safe during pregnancy or lactation in cattle?**

A: Yes, when used at recommended doses, it supports maternal and fetal health without risk to milk production or meat quality.

### **Q: How soon can results be seen?**

A: Some improvements (appetite, energy) may appear in 3–5 days. Growth and production benefits are typically observed over 2–4 weeks.

### **Q: Can it be given to layers and broilers?**

A: Yes, both. Adjust dosage based on age and production stage.