

## Information For the Use

L-Arginine Hydrochloride 1.2mg + L-Histidine Hydrochloride H2O 0.75mg + L-Threonine 0.5mg + L-Valine 0.8mg + DL-Methionine 0.75mg + L-Isoleucine 0.71mg + L-Leucine 1.6mg + L-Phenylalanine 0.6mg + L-Tryptophan 0.6mg + L-Lysine Hydrochloride 4.0mg + Ascorbic Acid 70.0mg + Tocopherol 0.5mg

# Jetmino Drop

## Product Information: Amino Acids + Vitamins Oral Drops

(Each 1mL contains):

- **L-Arginine Hydrochloride 1.2mg**
- **L-Histidine Hydrochloride H2O 0.75mg**
- **L-Threonine 0.5mg**
- **L-Valine 0.8mg**
- **DL-Methionine 0.75mg**
- **L-Isoleucine 0.71mg**
- **L-Leucine 1.6mg**
- **L-Phenylalanine 0.6mg**
- **L-Tryptophan 0.6mg**
- **L-Lysine Hydrochloride 4.0mg**
- **Ascorbic Acid (Vitamin C) 70.0mg**
- **Tocopherol (Vitamin E) 0.5mg**

## Pharmacological Class:

- **Amino Acids:** Essential and conditionally essential amino acids for growth, development, and metabolic functions.
- **Vitamins:** Antioxidants and coenzymes to support cellular health and immune function.

## Indications:

This combination is used as a nutritional supplement for:

- **Supporting growth and development in infants and children.**

- **Improving appetite and overall health in cases of malnutrition or poor dietary intake.**
- **Enhancing recovery during illness, post-surgery, or in chronic conditions.**
- **Boosting immune function and maintaining energy levels.**
- **Supporting protein synthesis and muscle recovery.**

## Mechanism of Action:

### 1. Amino Acids:

- **L-Arginine:** Enhances protein synthesis and nitric oxide production, supporting circulation and immune response.
- **L-Histidine:** A precursor for histamine and hemoglobin production.
- **L-Threonine, L-Valine, L-Leucine, L-Isoleucine:** Branched-chain amino acids (BCAAs) critical for muscle repair and energy.
- **DL-Methionine:** Provides sulfur for antioxidant defense and liver detoxification.
- **L-Lysine:** Essential for collagen production and calcium absorption.
- **L-Tryptophan:** Precursor for serotonin, supporting mood and sleep.

### 2. Vitamins:

- **Ascorbic Acid (Vitamin C):** A potent antioxidant that enhances iron absorption, collagen formation, and immune defense.
  - **Tocopherol (Vitamin E):** Protects cells from oxidative damage and supports skin and eye health.
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### **Dosage and Administration:**

- **Infants and children:** 5-10 drops, 2-3 times daily or as directed by a physician.
  - **Adults:** 10-15 drops, 2-3 times daily.
  - **Administer** directly into the mouth using the dropper provided or mix with a small amount of water or juice.
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### **Contraindications:**

- **Hypersensitivity** to any component of the formulation.
  - **Patients** with severe renal or hepatic impairment (caution required).
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### **Warnings and Precautions:**

- **Avoid exceeding** the recommended dose to prevent toxicity or amino acid imbalances.
  - **Monitor** for hypersensitivity reactions, especially in pediatric populations.
  - **Use with caution** in patients with metabolic disorders such as phenylketonuria (PKU) or those requiring protein-restricted diets.
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### **Adverse Effects:**

- **Generally well-tolerated.**
  - **Rare:** Mild gastrointestinal discomfort, such as nausea or diarrhea.
  - **Very rare:** Allergic reactions, including rash or itching.
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### **Drug Interactions:**

- **Antioxidants:** May enhance the effects of other vitamin supplements.
  - **Iron supplements:** Increased absorption due to the presence of Vitamin C.
  - **Medications metabolized by the liver:** Monitor for potential interactions with amino acids influencing metabolic enzymes.
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### **Use in Special Populations:**

- **Pregnancy and Lactation:** Safe when used as per recommended dosage; consult a healthcare provider.
  - **Pediatrics:** Specifically formulated for use in infants and children; ensure dosage accuracy.
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### **Storage:**

- **Store** below 25°C in a cool, dry place.
  - **Protect** from light and moisture.
  - **Keep out of reach** of children.
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## **Packaging:**

- **Sterile, amber glass bottle with a dropper, available in 15mL and 30mL sizes.**
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## **Patient Instructions:**

- 1. Shake the bottle well before use.**
  - 2. Use the provided dropper for accurate dosing.**
  - 3. Administer after meals for better absorption.**
  - 4. Report any unusual symptoms to your healthcare provider.**
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**This combination of amino acids and vitamins helps bridge nutritional gaps, promotes growth, and enhances overall well-being in pediatric and adult populations. Always follow the dosage as directed by a healthcare professional.**

Manufactured in India for:



**Cafoli Lifecare Pvt. Ltd.**

**(An ISO 9001: 2015 Certified Co.)**

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