

## Information For the Use

Alpha Ketoanalogues, Calcium Salt 67mg + Alpha-Keto-Leucine, Calcium Salt 101mg + Alpha-Keto-Phenylalanine, Calcium Salt 68mg + Alpha-Keto-Valine, Calcium Salt 86mg + Alpha-Hydroxy Methionine, Calcium salt 59mg + Threonine USP 53mg + Tryptophan USP 23mg + Histidine USP 38mg + Tyrosine USP 30mg + Lysine-Acetate USP 105mg + Total Nitrogen 36mg + Total Calcium 50mg (Alpha Ketoanalogues and Essential amino acid )

# Renohub Tablet

## Alpha Ketoanalogues and Essential Amino Acids Tablet

- Total Nitrogen: 36mg
- Total Calcium: 50mg

### Description:

Alpha Ketoanalogues and Essential Amino Acids Tablet is a dietary supplement formulated to support protein metabolism and nutritional management in patients with chronic kidney disease (CKD), particularly those undergoing dialysis or those with impaired kidney function. This combination of alpha-ketoanalogues and essential amino acids helps to maintain optimal nitrogen balance and supports protein synthesis, while minimizing the load on the kidneys.

### Composition:

#### Each tablet contains:

- Alpha Ketoanalogues (Calcium Salt):
  - Alpha Ketoanalogues: 67mg
  - Alpha-Keto-Leucine, Calcium Salt: 101mg
  - Alpha-Keto-Phenylalanine, Calcium Salt: 68mg
  - Alpha-Keto-Valine, Calcium Salt: 86mg
  - Alpha-Hydroxy Methionine, Calcium Salt: 59mg
- Essential Amino Acids:
  - Threonine (USP): 53mg
  - Tryptophan (USP): 23mg
  - Histidine (USP): 38mg
  - Tyrosine (USP): 30mg
  - Lysine-Acetate (USP): 105mg
- Other Nutritional Components:

### Indications:

- Chronic Kidney Disease (CKD):
  - As a nutritional supplement for patients with kidney disease, especially those on dialysis, to maintain protein metabolism and prevent malnutrition.
- Protein Energy Wasting:
  - Useful in managing protein-energy wasting, which is common in CKD patients.
- Supplementation for Dialysis Patients:
  - Helps improve amino acid levels and nitrogen balance in patients receiving dialysis.

### Mechanism of Action:

- The Alpha Ketoanalogues in this formulation are metabolized by the body to form essential amino acids without increasing the nitrogen load on the kidneys. This helps to maintain adequate protein levels in the body while reducing the strain on the kidneys.
- The Essential Amino Acids (EAAs) provide building blocks necessary for protein synthesis and cell function, supporting overall nutritional needs, especially in patients with limited protein intake due to kidney disease.
- The combination of alpha-keto acids and EAAs helps balance protein metabolism, enhancing nitrogen utilization and

reducing the risk of uremic toxins that may accumulate in patients with impaired renal function.

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#### Side Effects:

The supplement is generally well-tolerated. However, some individuals may experience mild gastrointestinal discomfort, including:

- Nausea or vomiting.
- Constipation or diarrhea.
- Stomach discomfort or bloating.

In rare cases, allergic reactions may occur. If you experience any signs of an allergic reaction (such as rash, swelling, or difficulty breathing), seek medical attention immediately.

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#### Precautions:

- **Kidney Function:**
    - This product is specifically designed for patients with impaired kidney function. If you have any history of kidney disease, ensure to use this product under medical supervision.
  - **Pregnancy and Breastfeeding:**
    - The safety of this product during pregnancy or breastfeeding has not been established. Consult your healthcare provider before using this supplement if you are pregnant or breastfeeding.
  - **Other Medical Conditions:**
    - If you have any other medical conditions, especially liver disease or metabolic disorders, consult your doctor before using this product.
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#### Storage Instructions:

- Store the tablets at room temperature (15°C to 30°C).
  - Keep the bottle tightly closed to protect from moisture and light.
  - Keep out of the reach of children.
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#### Note:

- Alpha Ketoanalogues and Essential Amino Acids Tablet should be used as part of a comprehensive treatment plan, which may include dietary management and other medications as prescribed by your healthcare provider. Always follow your doctor's instructions for optimal effectiveness and safety.

Manufactured in India for:

**Cafoli**<sup>TM</sup>  
L I F E C A R E

Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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