



# TECHNICAL DATA SHEET

## Amino Ca



# General Information

AminoCa is obtained from the hydrolysed protein, containing amino acids, total water soluble. it contains plants middle elements Calcium(10%) as amino acid chelated form.

## **Element-Specific Advantages**

Calcium (Ca):

- 200%↑ phloem mobility
- 40% better control of blossom-end rot

# Technical Information

Physical Properties		Chemical Properties	
Color	Light Brown	Total Amino acid Content	25%
Odor	Special Aromatic	Nitrogen	10%
Water Solubility	100%	Calcium in chelated form	10%
Moisture	5%		
PH Value	3~6		

## Advantages of Amino Ca in Agriculture

### Common Core Advantages

#### 1. Dual-Channel Uptake Mechanism:

- Root absorption via Low-Affinity Transport System (LST)
- 3~5x faster foliar penetration than inorganic salts

#### 2. Antagonism Resistance & Stability:

- Soluble at pH 3~9
- Resists precipitation by P, Fe, Al ions

#### 3. Enhanced Physiological Activity:

- Amino acids as C/N source reduce assimilation energy cost

# Application

*When blending with chemical fertilizers, utilization rate can be improved, in which the quantity used for fertilizers could be reduced.*



Foliar spray:      Irrigation:  
1: 600-1000      1: 500-600

## **Synergistic Uptake:**

- Ca+B co-application: 70%↓ tomato cracking

## **Optimal Combinations:**

- Flowering/Fruit Set: Chelated B + Ca

## **Contraindications:**

- Avoid mixing with strong oxidizers

# PACKING OPTIONS

Package Options: 10Kg, 20Kg bag or 600Kg bulk bag

Storage: Dry, cool, direct sun light proof, moisture proof warehouse.

Shelf life: 36 months.