



## Technical Data Sheet

### 1. Product Identification

- Trade Name: AMINOPOLY 90 (POWDER)
- Manufacturer: SHANXI IHUMATE BIOTECH CO.,LTD
- Address: No. 64 Nan Gou, Chen Village, Bailong Town, Huozhou, Linfen City, Shanxi Province,China.
- Tel. No.: +86- 18874230390

### 2. Typical Composition & Specifications

<u>Component</u>	<u>Specification</u>
Free Amino Acids	>90%
Total Nitrogen (Organic N)	>14%
Protein (Hydrolyzed)	>85%
Water Solubility	100%
pH (1% aqueous solution)	4.0–5.0

### 3. Physical & Chemical Properties

- Appearance: Light white fine powder
- Odor: Slight characteristic amino acid odor
- pH: 4.0–5.0
- Solubility: 100% soluble in water, clear solution
- Stability: Stable under normal storage; avoid strong alkali, high temperature, direct sunlight
- Flowability: Good
- Hygroscopicity: Slightly hygroscopic

### 4. Functional Characteristics

High amino acid content: Rapid absorption, promote photosynthesis, improve crop growth  
High protein & nitrogen: Provide organic nutrition, enhance stress resistance (drought, cold, salt)  
100% water-soluble: Suitable for foliar spray, drip irrigation, fertigation, seed soaking, root dipping  
Low pH: Compatible with acidic fertilizers and pesticides

### 5. Application & Usage

Application Methods

Foliar spray, drip irrigation, fertigation, seed soaking, root dipping

Dilution & Dosage

Foliar spray: 1:1000–1:3000 dilution; 150–300 g/ha per application

Drip irrigation / fertigation: 1:500–1:1000 dilution; 300–600 g/ha per application

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**山西艾优美生物科技有限公司**  
**SHANXI IHUMATE BIOTECH CO.,LTD**  
**ALWAYS PRECISE NUTRITION FOR YOU**

Seed soaking: 1:1000–1:2000 dilution; soak 4–12 hours

Root dipping: 1:500–1:1000 dilution; dip 10–30 minutes before transplanting

Application Timing

Seedling stage, early growth stage, before/after stress, flowering stage, fruiting stage

## 6. Packaging & Storage

Packaging: 50g-1kg OEM bag or 10kg and 25kg general bag , jumbo bag also welcomed.

Storage: Cool, dry, well-ventilated area; avoid direct sunlight, high temperature, moisture

Shelf life: 36 months unopened

Transport: Non-hazardous for normal transport

## 7. Safety & Handling

Non-toxic, non-corrosive, non-flammable

Avoid inhalation of dust; wear gloves and mask during bulk handling

Avoid contact with eyes; rinse with water if contact occurs

Keep out of reach of children and pets

For agricultural use only; not for human/animal consumption

## 8. Quality Control & Compliance

Heavy metals comply with agricultural fertilizer standards (Pb  $\leq$  5 mg/kg, Cd  $\leq$  0.5 mg/kg, As  $\leq$  2 mg/kg, Hg  $\leq$  0.1 mg/kg)

No harmful additives, environmentally friendly

Suitable for organic planting systems (if certified)

## 9. Disclaimer

This TDS is for reference only. Actual effect depends on crop type, growth stage, climate, and application method. Field testing is recommended before large-scale use.

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