



## Technical Data Sheet

### 1. Product Identification

- Trade Name: HUWIN 99 (GRANULE)
- 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

Item	Specification
Humic acid (dry basis)	>65%
Fulvic acid (dry basis)	>5%
K <sub>2</sub> O (water-soluble)	>10%
Water solubility	100%
pH (undiluted)	9.0-10.0

### 3. Physical & Chemical Properties

Appearance: Dark brown homogeneous granule

Odor: Slight humic/seaweed odor

pH: 9.0-10.0

Water solubility: 100% miscible with water, no precipitation

Compatibility: Compatible with most fertilizers, pesticides, and growth regulators (avoid strong acid / high-concentration calcium products)

Storage stability: ≥12 months at 5-35 °C

### 4. Functional Characteristics

Humic + Fulvic acid: High activity, strong chelation, improve soil structure, enhance nutrient absorption, promote root growth

Alginic acid: Improve stress resistance (drought, cold, salt), promote cell division, improve fruit quality

K<sub>2</sub>O: High water-soluble potassium, promote photosynthesis, improve crop yield and quality

100% water-soluble: Suitable for drip irrigation, foliar spray, flushing, easy to use

### 5. Application & Usage

Application Methods

Foliar spray, drip irrigation, flushing, root irrigation

Dilution & Dosage

Foliar spray: 1:800-1:1500 dilution; 500-1000 mL/ha per application

Drip irrigation / flushing: 1:500-1:1000 dilution; 1.5-3.0 L/ha per application

Soil improvement: Continuous use 2-3 times per growing season, interval 10-15 days

Mobile :+86 188 7423 0390    Tel. : +86 731 8290 7537    Fax: +86 731 8290 7537

Email : [info@ihumate.com](mailto:info@ihumate.com)    Website: [www.ihumate.com](http://www.ihumate.com)

ADDRESS : No. 64 Nan Gou, Chen Village, Bailong Town, Huozhou, Linfen City, Shanxi Province, China



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

**Application Timing**

Seedling stage, early growth stage, flowering stage, fruiting stage, stress period

**6. Packaging & Storage**

Packaging: 1kg, 5kg, 25kg, 200kg plastic drum

Storage: Cool, dry, ventilated place; avoid direct sunlight, high temperature, freezing

Shelf life: 12 months unopened

Transport: Non-hazardous for normal transport

**7. Safety & Handling**

Non-toxic, non-corrosive, non-flammable

Avoid contact with eyes and skin; 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

No harmful additives, environmentally friendly

Suitable for organic planting systems (if certified)

**9. Disclaimer**

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

**Mobile :+86 188 7423 0390**

**Tel. : +86 731 8290 7537**

**Fax: +86 731 8290 7537**

**Email : [info@ihumate.com](mailto:info@ihumate.com)**

**Website: [www.ihumate.com](http://www.ihumate.com)**

**ADDRESS : No. 64 Nan Gou, Chen Village, Bailong Town, Huozhou, Linfen City, Shanxi Province, China**