



Technical Data Sheet

1. Product Identification

- Trade Name: HUWIN 100 (SHINY FLAKE)
- 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)	>50%
Fulvic acid (dry basis)	>20%
K ₂ O (water-soluble)	>10%
Water solubility	100%
pH (undiluted)	9.0-10.0

3. Physical & Chemical Properties

Appearance: Dark brown homogeneous flake

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

K₂O: 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

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山西艾优美生物科技有限公司
SHANXI IHUMATE BIOTECH CO.,LTD
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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.

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