

INSOLUBLE HUMIC ACID

High-Purity Humic Acid Powder

Product code SH-HA-90P · Supersedes SHA-PHA-TDS (2026-08)

≥ 90.0%

TOTAL HUMIC ACID (DRY BASIS)

≤ 2.0%

ASH

≤ 10 mg/kg

HEAVY METALS (AS PB)

01 PRODUCT OVERVIEW

High-purity humic acid is a refined humic acid with low ash and controlled heavy-metal and microbial limits. It is supplied as a raw material for industrial and specialty formulations. Suitability and regulatory status for any food, feed, cosmetic or medicinal use have not been established by the supplier and must be determined by the user.

02 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PARAMETER	TYPICAL VALUE	TEST METHOD
Appearance	Dark brown to black fine powder	Visual
Total humic acid (dry basis)	≥ 90.0%	Supplier method
Fulvic acid	5 - 20%	Supplier method
Solubility in 0.1 N NaOH	≥ 98%	Supplier method
Solubility in water (1% w/v)	Partially soluble (colloidal dispersion)	—
pH (1% suspension)	4.0 - 6.0	Supplier method
Loss on drying (105 °C, 3 h)	≤ 5.0%	Supplier method
Ash	≤ 2.0%	Supplier method
Particle size (D90)	≤ 50 µm	Supplier method
Heavy metals (as Pb)	≤ 10 mg/kg	Supplier method
Lead (Pb)	≤ 2 mg/kg	Supplier method
Arsenic (As)	≤ 1 mg/kg	Supplier method
Cadmium (Cd)	≤ 1 mg/kg	Supplier method
Mercury (Hg)	≤ 0.1 mg/kg	Supplier method
Total aerobic microbial count	≤ 100 CFU/g	Supplier method
Total yeasts and moulds	≤ 50 CFU/g	Supplier method
E. coli / Salmonella / S. aureus / P. aeruginosa	Absent (1 g; Salmonella 10 g)	Supplier method

Typical values, not a specification. Batch results are stated on the Certificate of Analysis (COA) issued with each shipment. "To be confirmed" means the value is under review.

03 INTENDED USES AND APPLICATION

- Raw material for industrial and specialty formulations
- Research and laboratory use

Use levels depend on the formulation. Please contact us for technical information.

04 PACKAGING, STORAGE AND DOCUMENTS

PACKAGING 1 / 5 / 10 / 25 kg double PE bags in fibre drums, or aluminium pouches with desiccant

STORAGE Cool, dry, well-ventilated place in the original closed packaging; protect from moisture; reseal opened bags.

SHELF LIFE 24 months in original, unopened packaging

DOCUMENTS Safety Data Sheet (SDS) and batch Certificate of Analysis (COA) available on request.

The information in this Technical Data Sheet is given in good faith for reference. Users should determine the suitability of the product for their own application and comply with the regulations of the destination market. For safety information, refer to the Safety Data Sheet (SDS) of this grade.