MODIFIED HUMIC ACID

Nitro Humic Acid Powder

Product code SH-NIH-01P · Supersedes SHA-NHA-P-TDS (2026-08)

≥ 50.0%	2.0%	250 – 350
HUMIC ACID (DRY BASIS)	NITROGEN (N)	CEC (MEQ/100 G)

01 PRODUCT OVERVIEW

Nitro humic acid is produced by reacting humic acid with nitric acid. It is not soluble in water but dissolves in alkaline solution. This grade is supplied as black powder and is used for soil application and in fertilizer production.

02 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PARAMETER	TYPICAL VALUE	TEST METHOD
Appearance	**Black powder**	Visual
Humic acid (dry basis)	**≥ 50.0%**	GB/T 11957-2001
Nitrogen (N)	**2.0%**	GB/T 8572
Cation exchange capacity (CEC)	**250 – 350 meq/100 g**	To be confirmed
Fineness	**To be confirmed**	Sieve method
Water solubility	**Insoluble (soluble in alkaline solution)**	–

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

- Soil conditioner applied directly to soil
- Raw material for organic, organic-inorganic and compound fertilizers

Application rates depend on crop, soil and formulation. Please contact us for technical guidance and run a small-scale trial before large-scale use.

04 PACKAGING, STORAGE AND DOCUMENTS

PACKAGING 25 kg woven bag with inner PE liner; custom packaging on request
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.