

Technical Date Sheet

Product Name: Amino acid powder

*Specification:

Parameter	Specification (%)	Source
Total Nitrogen(N)%	13	Amino acid+organic compounds+Inorganic substance
Total amino acid	80	Extract from plant
Free amino acid	70	Extract from plant
Organic matter	50	Amino acid+organic compounds
Appearance	Light yellow	Qualified
Packages	1 , 5, 10, 20, 25kg	

Main Components:

Item	Proportion
Amino acid	80%
Other organic compounds	10%
Moisture	5%
Chloride	2%
Inorganic salt	3%
Total	100%

DENSITY: 0.25/cm³

PH (100% WATER SOLUBLE): 4.0-7.0

WATER INSOLUBLE: 100% MAX

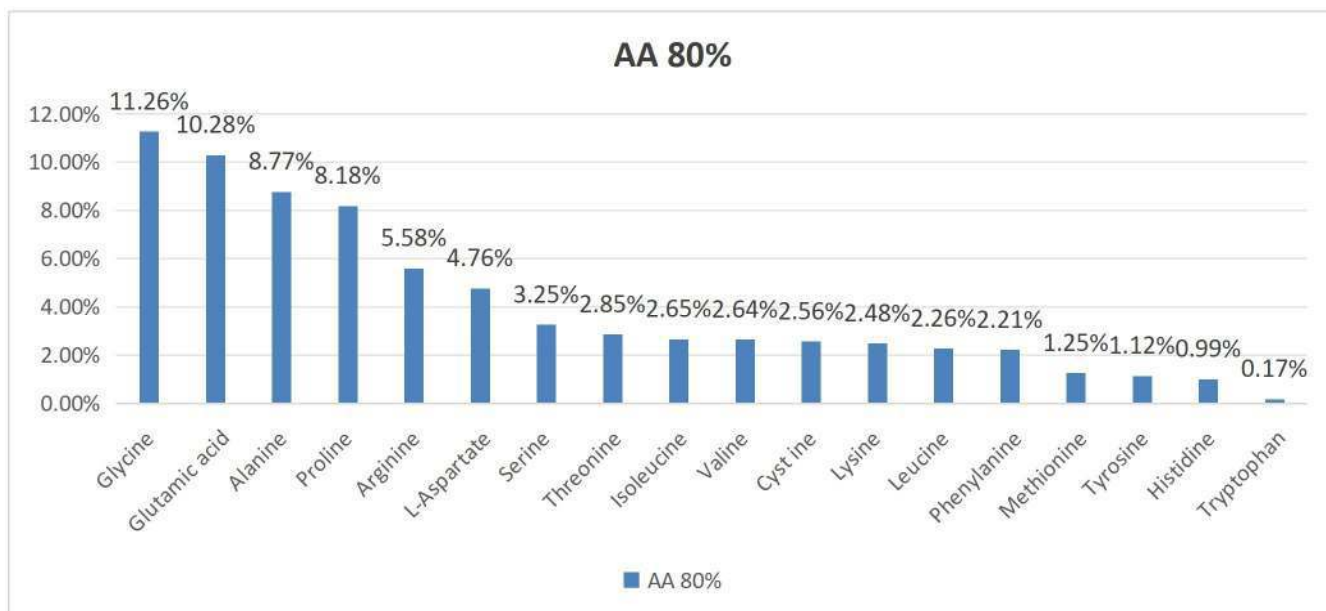
Detailed Test report:

Item	Specification	Results(%)
Appearance	Yellow powder	Conforms
Solubility	100%	100%
Moisture	≤5%	2.8%
Total nitrogen	≥12%	13.5%
organic nitrogen	≥11%	11.5%
Ash	≤5%	3.2%
Free amino acids	≥70%	73.23%
Total amino acids	≥80%	81.26%
Cl	≤5%	1.5%
Salmonella	May not be detected	Without
Other bacteria	Without	Without
PH	4.0-7.0	5.0
As	≤5mg/kg	<3mg/kg
Pb	≤10mg/kg	<5mg/kg

AMINO ACIDS TEST

Item	Specification	Results
Aspartate	/	4.76%
Threonine	/	2.85%
Serine	/	3.25%
Glutamic acid	/	10.28%

Glycine	/	11.26%
Alanine	/	8.77%
Cystine	/	2.56%
Valine	/	2.64%
Methionine	/	1.25%
Isoleucine	/	2.65%
Leucine	/	2.26%
Tyrosine	/	1.12%
Phenylalanine	/	2.21%
Lysine	/	2.48%
Histidine	/	0.99 %
Arginine	/	5.58%
Proline	/	8.18%
Tryptophan	/	0.17%



*Function

Stimulates the whole plant grow
Accelerates the production of nucleic acids
Enhances photosynthesis and respiration
Improves the absorption and mobility of nutrients

EFFECTS ON SOIL:

Increase micro flora up to 2000 times in 15 days
Increase total cationic exchange
Makes aggregates in soil produce better oxygenated penetration
The nutrients will remain in solution thanks to its sequestering and colloidal properties.

APPLICATION:

Foliar Spraying	Diluted 1:800-1000, 3-5kg/Acre, spray 3-4 times in the vegetative stage,at interval of 14 days
Drip Irrigation	Diluted 1:300-500, Continuously use, 6-15 kg/acre, at interval of 7 to 10 days.
Application Crops: Use as Foliar Fertilizer and Plant Growth Regulator in Vegetables, drip irrigation, Fruits, Flowers, Tea plants, Cereal and oil plants, Horticulture.	
Caution: The miscibility test should be done before formulating with pesticide and fertilizer.	

*Warnings and precautions for use:

- 1, When shaken, not with strong acid, strong alkali substances mixed;
- 2, This product is safety while mixed and applied with neutral & acidic chemicals or other

fertilizers; avoiding application while rainy or in blazing sunshine; store in dry places; keep out of reach of children.

3, Using before ten am, four pm after the application to the negative side of the crop;

4, Recommended the use of groundwater or clean water dilution;

5, See printing production date, valid for 3 years.

***Caution and Storage**

1. Harmful if swallowed.

2. Keep out of reach children.

3. Avoid release to the environment.

4. Storing the product perfectly closed and in the fresh place without exceeding temperatures higher Than 42°C.