

Nature Agrotech Co.,Ltd

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Technical Data Sheet

Amino acid powder

1: **MODEL:** Amino acids \geq 80%

2: **APPEARANCE&ODOR:** Light yellow powder with a little amino odor

3: **APPLICATION:** As a total organic nitrogen of min 14%, it can quickly supply the nutrition of plant, usually applied as fertilizer on agricultural.

4: **SPECIFICATION:**

Product Name: Enzymolysis Compound Amino acid 80%			sampling: 4000KG	
Test items	Units	Standard value	Test result	Test standard
Color Appearance	---	Light yellow powder	Light yellow powder	----
Solubility	%	Completely water-soluble	Completely water-soluble	NY/T 1973-2010
Total Nitrogen	%	\geq 14	14.12	NY/T 2542-2014
Moisture	%	\leq 5	4.5	NY/T 302-1995
PH	/	5.0 ~ 6.5	5.5	NY/T 1973-2010
Aspartate	%	/	5.04	GB/T 18246-2019
Threonine	%	/	3.21	
Serine	%	/	1.28	
Glutamic acid	%	/	9.17	
Glycine	%	/	19.25	

Alanine	%	/	8.35	
CYstine	%	/	0.45	
Valine	%	/	2.17	
Methionine	%	/	0.86	
Isoleucine	%	/	1.51	
Leucine	%	/	3.36	
Tyrosine	%	/	0.35	
Phenylalanine	%	/	2.33	
Lysine	%	/	3.18	
Histidine	%	/	0.82	
Arginine	%	/	5.19	
Proline	%	/	14.09	
Tryptophan	%	/	0.09	
Amino acid	%	≥80	80.70	
Arsenic (As in total)	%	≤0.005	≤0.005	GB/T 23349-2009
Lead (pb in total)	%	≤0.020	≤0.020	
Chromium (Cr in total)	%	≤0.050	≤0.050	
Cadmium (Cd in total)	%	≤0.001	≤0.001	
Mercury (Hg in total)	%	≤0.0005	≤0.0005	
Amino Acids Molecular Weight Distribution Range				
Molecular Weight Distribution Range	Units	Peak Area Percentage Standard Value %	Peak Area Percentage Value(%,λ220nm)	
≥5000	Da	≤5	3.5	
1000 ~ 5000	Da	30 ~ 35	32.5	
150 ~ 1000	Da	55 ~ 60	56.5	
≤150	Da	5 ~ 10	7.5	

5.ADVANTAGE:

5.1、 This product can chelate soil nutrients,stimulate root growth,make root of the crop strong and long,and have a high effecton and promote a significant yield.

5.2、 This product can Improve crop photosynthetic performance,promote photosynthetic products into a significant transfer , transportation ,improve crop quality and product performance.

5.3 、 This product can improve micro-domain environments and suppress the occurrence of soil-borne diseases.

5.4、 To mix this product with inorganic fertilizer can increase the synergy of nutrients,make the yield increase extremely significant.

5.5、 With a long-term application,the compaction of the soil will become loose, and the nutrients-kept and water-retention capacity will also be promoted.

5.6、 This product is widely used in organic food base,green base ,and pollution-free ecological food base.

6.USAGE:

6.1 Proposed dosage

Style of fertilization	Dosage
Base ferilizer/chase fertilizer/fertilizer with seed	40~60KG/hectare
Spraying	4-6Kg/hectare

6.2 You can mix it with pesticides,which will enhance the function with each other.

6.3 Please spray it at 10am or 4pm so that the plant will have the best absorption

6.4 Please re-spray if the rain come in 2hours.

7. PACKAGE&STORAGE&HANDING

7.1 20KG/BAG,10KG/BAG(Kraft bag outside and plastic bag inside).

7.2 Handling :

Wash thoroughly after handling.

Wash hands before eating.

Remove contaminated clothing and wash before reuse.

Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas.

Avoid contact with eyes, skin, and clothing.

Keep container tightly closed. Avoid ingestion and inhalation.

7.3 Storage :

Keep container closed when not in use.

Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Store protected from moisture.