FISSION BIOTECH

Product Catalouge

Manufacturer
Importer & Bulk Supplier

Agrochemicals
Water Soluble Fertilisers
Plant Growth Regulator
Micronutrients

ISO 9001:2015 CERTIFIED COMPANY

www.fissionbiotech.com

ABOUT US

FISSION BIOTECH, a Division of JJ Group Of Companies, Mumbai has a Strong Group presence in Western India since 1994.

FISSION BIOTECH is a leading Manufacturer, Bulk Supplier & Importer of various high quality Agri Inputs like NPK 100% Water Soluble Fertilizers, Straight and Mixture of Micronutrients, Plant Growth Regulators, Bio Stimulants and Agrochemicals. Our dedicated Team over the years has built Trustworthy Associations with our Vendors and Suppliers and a Transparent Relationship with Clients make us Reliable Partners across Industries.

FISSION BIOTECH also has a Strong Market Presence in the Retail Segment under our Brand – "SAINIK" , "SOILTECH" & "INDRADHANUSH".

FISSION BIOTECH is Growing Exponentially with its Support of Domestic and Global Partners by Sourcing the Best Quality Products for its Customers.

We Aim to Lead in the Agrochemical Industry by Adding Value to our Customers, Business Partners, Society and The Nation.

Hydrolysed Protein Liquid

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AGRIPRO 12

Hydrolysed Protein Liquid	
Parameter	Typical Value
Appearance	Clear Brown Liquid
pH (2% Solution)	4.0 - 6.0
Total Nitrogen	Min 2%
Protein Hydrolysate	Min 12%
Total Dissolved Solid	3o Brix

AGRIPRO 15

Hydrolysed Protein Liquid	
Parameter	Typical Value
Appearance	Clear Brown Liquid
pH (2% Solution)	4.0 - 6.0
Total Nitrogen	Min 2.4%
Protein Hydrolysate	Min 15%
Total Dissolved Solid	35 Brix

AGRIPRO 30

Hydrolysed Protein Liquid	
Parameter	Typical Value
Appearance	Clear Brown Liquid
pH (2% Solution)	5.0 - 7.0
Total Nitrogen	Min 4.8%
Protein Hydrolysate	Min 30%
Total Dissolved Solid	55 Brix

AMINO ACID LIQUID

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Achieving optimum yield and better profitability is the target of every farmer, and they use fertilizers and pesticides to get closers to their goals. But use of fertilizers and pesticides is not enough, plants biochemical and bioenergetics needs also has to be identified and catered to achieve this target. Like every living organism, plants also need one basic element that is protein for their growth.

Amino acids are the building block of protein and a sequence of amino acids forms protein. Amino acid is an essential requirement for increase in qualitative and quantitative yield of crops. Amino Acids are the fundamental ingredients in the process of protein synthesis and they can directly or indirectly influence the physiological activities of plants.

Plants absorb amino acid through their stomas which are pores found in the epidermis of leaves, stems and other organs, hence foliar application of Hydrolysed Protein (aka Amino Acid) is not only a general requirement for plants but also critically essential at different stages of growth. Foliar spray of amino acids provide readymade building blocks for protein synthesis to the plants.

Effect on Photosynthesis:
Amino Acids help to increase chlorophyll concentration in the plant leading to higher degree of photosynthesis. This makes crops lush Green.

Stress Resistance:
The application of Amino Acids before, during and after the stress conditions supplies the plants with Amino Acids which are directly related to stress physiology and thus has a preventing and recovering effect.

Chelating Effect:
Amino Acids have a chelating effect on micronutrients. When applied together with micronutrients, the absorption and transportation of micronutrients inside the plant is easier.

Phytohormones:
Amino Acids are precursors of phytohormones and growth substances like ethylene, Espermine and Espermidine.

Pollination and fruit Formation:
Amino Acids helps in fertility of pollens and is essential for pollination. They increase the pollen germination and the length of the pollinic tube.

Gluconic Acid

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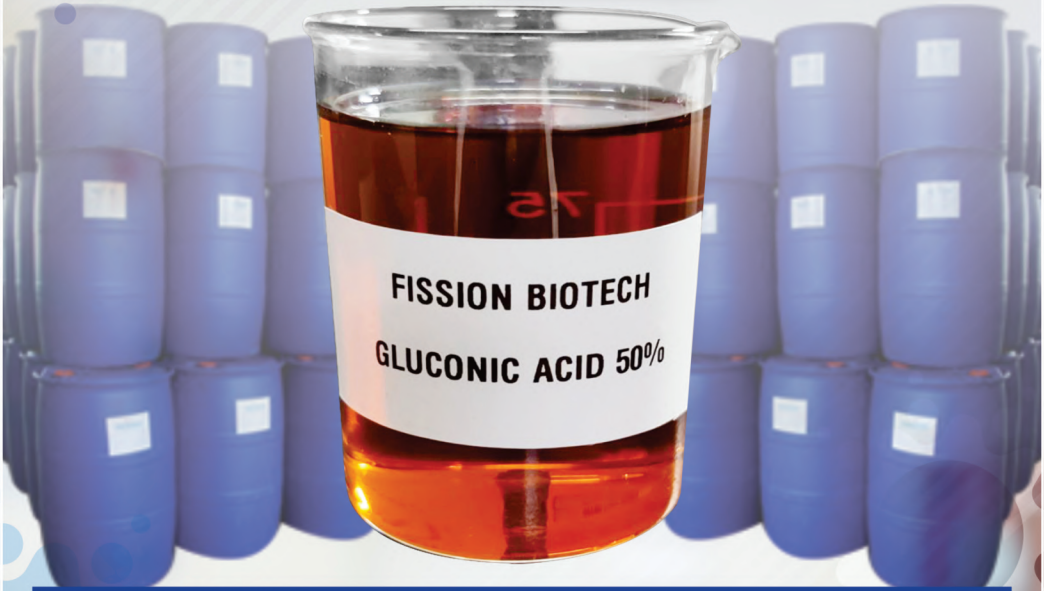

Gluconic Acid 50% Aqueous Solution

Parameter	Typical Value
Appearance	Yellow to Dark Yellow Colour Clear Liquid
pH	1.2 - 2.2
Density	1.15 - 1.25
Solubility	Freely Soluble in Water
Assay	48 - 52%
Chloride	<0.01%
Arsenic	<0.03%
Heavy Metal	<0.2%

APPLICATIONS:

- Agrochemical Industry
- Textile Chemical Industry
- Food & Beverages Industries
- Pharmaceutical Industry
- Water Treatment Industry
- Metal Cleaning Industry

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Water Soluble Fertiliser

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N:P:K - 19:19:19

100% Water Soluble Mixture of Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Total Nitrogen (N)	19.0%	Min
Total Phosphorus (as P_2O_5)	19.0%	Min
Total Potassium (as K_2O)	19.0%	Min
Moisture	0.5%	Max
Matter Insoluble in water	0.5%	Max

N:P:K - 13:40:13

100% Water Soluble Mixture of Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Total Nitrogen (N)	13.0%	Min
Total Phosphorus (as P_2O_5)	40.0%	Min
Total Potassium (as K_2O)	13.0%	Min
Moisture	0.5%	Max
Matter Insoluble in water	0.5%	Max

N:P:K - 28:28:00

100% Water Soluble Mixture of Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Total Nitrogen (N)	28.0%	Min
Total Phosphorus (as P_2O_5)	28.0%	Min
Matter Insoluble in water	0.5%	Max
Moisture	0.5%	Max

N:P:K - 12:61:00

100% Water Soluble Complex Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Ammoniacal Nitrogen	12.0%	Min
Water Soluble phosphates (as P_2O_5)	61.0%	Min
Sodium (as NaCl)	0.5%	Max
Matter Insoluble in water	0.5%	Max
Moisture	0.5%	Max

Water Soluble Fertiliser

FISSION BIOTECH

N:P:K - 00:52:34

100% Water Soluble Complex Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Water Soluble phosphates (as P_2O_5)	52.0%	Min
Water Soluble potash (as K_2O)	34.0%	Min
Sodium (as NaCl)	0.5%	Max
Moisture	0.5%	Max

N:P:K - 13:00:45

100% Water Soluble Complex Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Total Nitrogen	13.0%	Min
Water Soluble Potassium (as K_2O)	45.0%	Min
Sodium (as Na)	1.0%	Max
Total Chlorides (as Cl)	1.5%	Max
Matter Insoluble in water	0.5%	Max
Moisture	0.5%	Max

CALCIUM NITRATE

100% Water Soluble Complex Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Total Nitrogen (Ammoniacal & Nitrate form)	15.5%	Min
Nitrate Nitrogen (as N)	14.5%	Min
Water Soluble Calcium (as Ca)	18.5%	Min
Matter insoluble in water	1.5 %	Max

N:P:K - 20:20:20

100% Water Soluble Mixture of Fertiliser		
Nutrient Contents	**By Weight (W/W)**	
Total Nitrogen (N)	20.0%	Min
Total Phosphorus (as P_2O_5)	20.0%	Min
Total Potassium (as K_2O)	20.0%	Min
Moisture	0.5%	Max
Matter Insoluble in water	0.5%	Max

Plant Growth Regulators

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POTASSIUM HUMATE FLAKES

Plant Growth Regulators		
Nutrient Contents	**By Weight (W/W)**	
Humic Acid (%)	80%	Min
Potassium K2O	10%	Min
Solubility	98%	

HUMIC ACID POWDER

Plant Growth Regulators		
Nutrient Contents	**By Weight (W/W)**	
Humic Acid (%)	95%	Min
Solubility	95%	Max

FULVIC ACID 80% MIN.

Plant Growth Regulators		
Nutrient Contents	**By Weight (W/W)**	
Fulvic acid (Dry Basis)	80%	Min
Moisture	8%	Max
Solubility	99.5	Min
pH	5.6	

SEA WEED EXTRACT POWDER (ALGENIC ACID 16% TO 18&)

Plant Growth Regulators		
Nutrient Contents	**By Weight (W/W)**	
pH	8-10	
Alginic acid	16-18%	
Organic matter	55%	
Solubility	99.5	Min

Plant Growth Regulators

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AMINO ACID 50%

Plant Growth Regulators	
Nutrient Contents	**By Weight (W/W)**
Appearance	Yellow to Brown colour powder
Odour	Characteristics odour of protein
pH of 2% Solution in D.W.	4.50 to 6.50
Solubility in water	100%
Purity	50% Min
Loss of drying (at 105 degree)	NMT 7.0% w/w
Nature	Hygroscopic

AMINO ACID 80%

Plant Growth Regulators	
Nutrient Contents	**By Weight (W/W)**
Appearance	Cream to yellow colour powder
Odour	Characteristics odour of protein
pH of 2% Solution in D.W.	4.50 to 6.50
Solubility in water	100%
Purity	80% Min
Loss of drying (at 105 degree)	NMT 7.0% w/w
Nature	Hygroscopic

Micro Nutrients

ZINC SULPHATE MONOHYDRATE

Micro Nutrients	
Nutrient Contents	**By Weight (W/W)**
Molecular Formula	$ZnSO_4 . H_2O$
Molecular Weight	179.445
Appearance	White Free Flowing Powder
% as....	% as Zn.... Min 33 %

MAGNESIUM SULPHATE (HEPTAHDRATE)

Micro Nutrients	
Nutrient Contents	**By Weight (W/W)**
Molecular Formula	$MgSO_4 . 7H_2O$
Molecular Weight	246.47
Appearance	White Granular Crystalline
% as....	% as Mg.... 9.6% Min

Micro Nutrients

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COPPER SULPHATE

Micro Nutrients	
Nutrient Contents	**By Weight (W/W)**
Molecular Formula	$CuSo_4$. $5H_2O$
Molecular Weight	249.68
Appearance	Blue Crystalline Powder
% as....	% as Cu..... Min 24.5%

MANGANESE SULPHATE

Micro Nutrients	
Nutrient Contents	**By Weight (W/W)**
Molecular Formula	$MnSO_4$. H_2O
Molecular Weight	169.02
Appearance	White / Pink Crytalline
% as....	% as Mn.... Min 32%

FERROUS SULPHATE HEPTA (CRYSTAL)

Micro Nutrients	
Nutrient Contents	**By Weight (W/W)**
Molecular Formula	$FeSO_4$. $7H_2O$
Molecular Weight	278.01
Appearance	Greenish Crystalline
% as....	MIN 19%

AMMONIUM MOLYBDATE - 54%

Micro Nutrients	
Nutrient Contents	**By Weight (W/W)**
Molecular Formula	$[NH_4]_6$ $Mo_7.O2_4$. $4\ H_2O$
Molecular Weight	1235.9
Appearance	White Amorphous Powder
% as....	MIN 54%

Micro Nutrients

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BORAX

Micro Nutrients	
Nutrient Contents	**By Weight (W/W)**
Borax Pentahdrate	14.5%
Disoduim Tetroborate Pentahydrate	20%

BORON 20%
(Di-sodium octa borate tetra hydrate)

Micro Nutrients		
Nutrient Contents	**By Weight (W/W)**	
Boron (B)%	20%	Min
Matter Insoluble in water	1.0%	Max
Lead (as Pb)	0.003%	Max
Cadmium (as Cd)	0.0025%	Max
Arsenic (as As)	0 01%	Max

Zn EDTA - 12%

Micro Nutrients		
Nutrient Contents	**By Weight (W/W)**	
Zinc content (expressed as Zn)	12.0%	Min
Lead (a Pb)	0.003%	Max
Cadmium (as Cd)	0.0025%	Max
Arsenic (as As)	001%	Max
pH (5% Solutions)	6.0 - 6.5	
Appearance	free flowing Crystalline or Powder	

Fe-EDTA - 12%

Micro Nutrients		
Nutrient Contents	**By Weight (W/W)**	
Iron content (expressed as Fe)	12.0%	Min
Lead (a Pb)	0.003%	Max
Cadmium (as Cd)	0.0025%	Max
Arsenic (as As)	001%	Max
pH (5% Solutions)	5.5 - 6.5	
Appearance	free flowing Crystalline or Powder	

Mixture of Micronutrients

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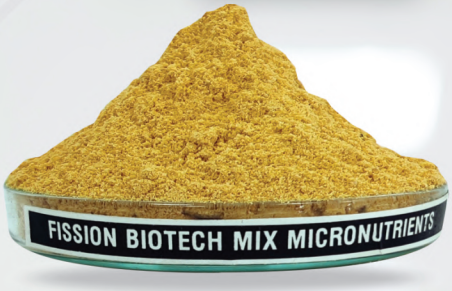

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MAHARASHTRA STATE GRADES

Grade	Fe	Mn	Zn	Cu	Mo	B
No. 1	2.00	1.00	5.00	0.50	0.00	1.00
No. 2	2.50	1.00	3.00	1.00	0.10	0.50
No. 3	3.00	2.00	5.00	0.50	0.00	0.50
No. 4	4.00	3.00	6.00	0.80	0.00	0.80
No. 5	2.00	1.00	3.00	0.50	0.10	0.80
No. 6	4.00	3.00	6.00	0.80	0.10	1.20
No. 7	0.00	0.00	10.00	0.00	0.00	0.50
No. 8	5.00	0.00	10.00	0.00	0.00	0.00
No. 9	0.00	0.00	3.00	0.00	0.00	0.50
No. 10	2.50	0.00	5.00	0.00	0.10	0.50
No. 11	2.50	0.00	5.00	0.00	0.00	0.80

TELANGANA / ANDRA PRADESH STATE GRADES

Grade	Fe	Mn	Zn	Cu	Mo	B
No. 1	6.00	1.50	5.00	0.00	0.00	0.00
No. 2	2.00	2.00	6.00	0.00	0.00	0.00
No. 3	0.00	0.00	33.00	0.00	0.00	0.00
No. 4	4.00	3.00	6.00	1.00	0.05	2.00
No. 5	1.00	1.00	5.00	0.00	0.00	0.50
No. 6	2.00	2.00	5.00	0.00	0.00	0.50
No. 7	0.50	0.50	6.00	0.00	0.00	0.00

KERELA STATE GRADES

Grade	Fe	Mn	Zn	Cu	Mo	B
Foliar	0.00	0.00	5.00	0.25	0.00	0.10
Soil	0.00	0.00	6.00	1.00	0.00	1.00

WE ALSO MAKE STATE GRADES FOR THE FOLLOWING STATES:

Gujrat	Orissa	Uttar Pradesh	West Bengal
Karnataka	Assam	Uttranchal	Rajasthan
Tamil Nadu	Madhya Pradesh	Himachal Pradesh	Chattisgarh

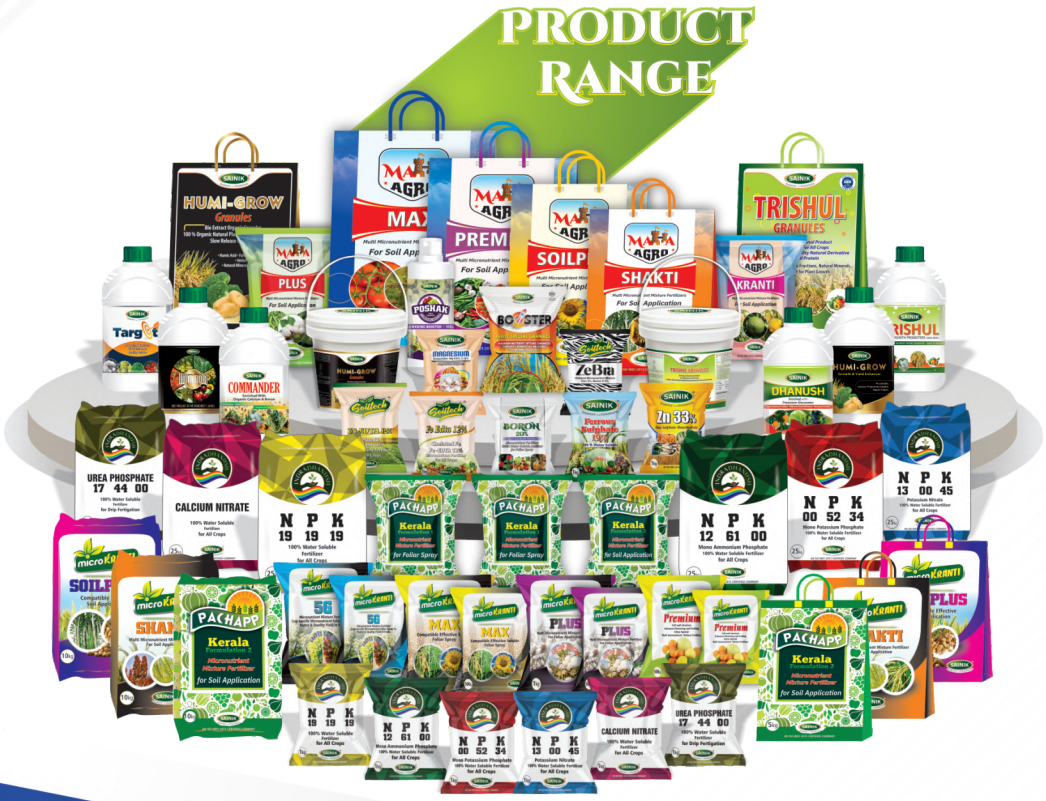
Our Retail Consumer Brands

Soiltech

SAINIK
HARVEST WITH GOODNESS

INDRADHANUSH

PRODUCT RANGE



ISO 9001:2015

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