



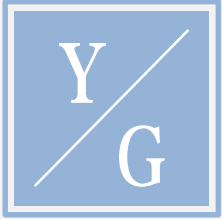
**Prime Nature, wholesome valley .**

To create a bridge between healthy life and nature.

Natural, **healthy**



# Instruction Asparagus powder



## What is Asparagus

Asparagus is a flowering plant belongs to species the genus *Asparagus*, native to the western coasts of northern Spain, north to Ireland, Great Britain, and northwest Germany, northern Africa and western Asia. Asparagus has been used from early times as a vegetable and medicine, because of its delicate flavour and diuretic properties.





# Asparagus efficacy

8

Stimulate kidney activity and promote hematopoiesis

7

Immunomodulation: Asparagus extract can enhance the phagocytic function of macrophages and significantly promote the activity of natural killer cells in human peripheral blood

6

Detoxification and diuresis: Asparagus has a certain effect on prevention and treatment of kidney disease, and the effect of detoxification and diuresis is obvious

5

Anti-aging: Asparagus extract can inhibit the production of lipid peroxides in plasma, liver, brain and other tissues, and antagonize the atrophy of thymus, spleen and brain tissue caused by aging

4

Weight loss and fat reduction

3

Protection of blood vessels and lipid-lowering effects: Asparagus can inhibit the rise of blood lipids and liver fat, and has a certain therapeutic effect on hyperlipidemia

2

Anti-tumor: Asparagus is rich in element selenium, tissue protein, folic acid, nucleic acid, asparagus glycoside and aspartic acid. These ingredients can form biochemical barriers to tumors in the body and prevent the spread of cancer cells

1

Hangover: Asparagus extract can increase the rate of alcohol metabolism and help drunken people to hangover faster



## What we are offering



Soluble Asparagus extract powder



Asparagus sprout juice powder

01

## Soluble Asparagus extract powder

### Production process & Characteristics

#### Production process & Characteristics

1. With Japanese mature production process, it is extracted by using fresh asparagus as raw material, by selecting, washing, pressing juice, microfiltration clarifying, desalting and de-acidifying, using low temperature concentration, low temperature spray, and finally dry it into powder.
2. DO not use any organic solvent in the whole process, do not produce organic solvent residues, and the products are safe and reliable. More convenient and safer than clarified concentrate during transportation and storage.
3. Containing all the water-soluble nutrients of fresh asparagus, the whole process is under low temperature, and the nutrients are basically retained without loss.
4. White yellowish instant powder, quickly dissolved in hot water, warm water and cold water. Clear and translucent after dissolving, no impurities visible to the naked eye, refreshing and slightly sweet, with unique armoma of asparagus.
5. The standards of the clarified asparagus concentrate complies to the standard of Japan and the EU, for pesticide residues, heavy metals and functional ingredients.

01

## Soluble Asparagus extract powder

### Nutritional Ingredients & Health Care Functions of Asparagus Instant Clarifying Powder

Asparagus instant clarifying powder is a pure natural food containing all the soluble nutrients of fresh asparagus.

1. Rich in trace element selenium, tissue protein, folic acid, nucleic acid, asparagus saponin and so on. Selenium, known as the king of anti-cancer elements, is rich in trace element selenium, tissue protein, folic acid, nucleic acid, asparagus saponin, etc. Selenium, known as the king of anti-cancer elements, can prevent cancer cells from dividing and growing, inhibiting the vitality of carcinogens. And accelerate detoxification, and even reverse the cancer cells, stimulate the body's immune function, promote the formation of antibodies, and improve the resistance to cancer.
2. Rich in rutin, asparagus saponin, asparagine and other substances, have a good preventive and adjuvant treatment for prevention of cardiovascular and cerebrovascular diseases, for hypertension, hardening of the arteries, heart disease, diabetes, cystitis, acute and chronic hepatitis and Liver cirrhosis has a certain adjuvant treatment effect.
3. Contains coumarin, which has the effect of lowering blood sugar.
4. Rich in vitamin E, vitamin C, clear blood and balance blood sugar.
5. Saponins and amino acids in household bamboo shoots can increase the rate of alcohol catabolism and help drunken people to hangover faster. And can alleviate the symptoms of hangover and protect liver cells protected from alcohol toxins.
6. Contains a variety of asparagine and multivitamins, which can relieve anxiety, relieve nerves, improve body metabolism, eliminate fatigue, and help sleep.
7. Reduce fire and heat, nourish yin and diuresis

## Test Report-Soluble Asparagus extract powder

No.	Testing Items	Unit	Result	Method/Standard
1	Total Saponins(as Smilacaceagcalculated)	g/100g	3.59	CCSQF/B2.PY0001-2018
2	Quercetin	mg/100g	<5	CP2015
3	Reduced glutathione	mg/100g	7.64	HPLC
4	L-Asparagine	g/100g	0.46	HPLC

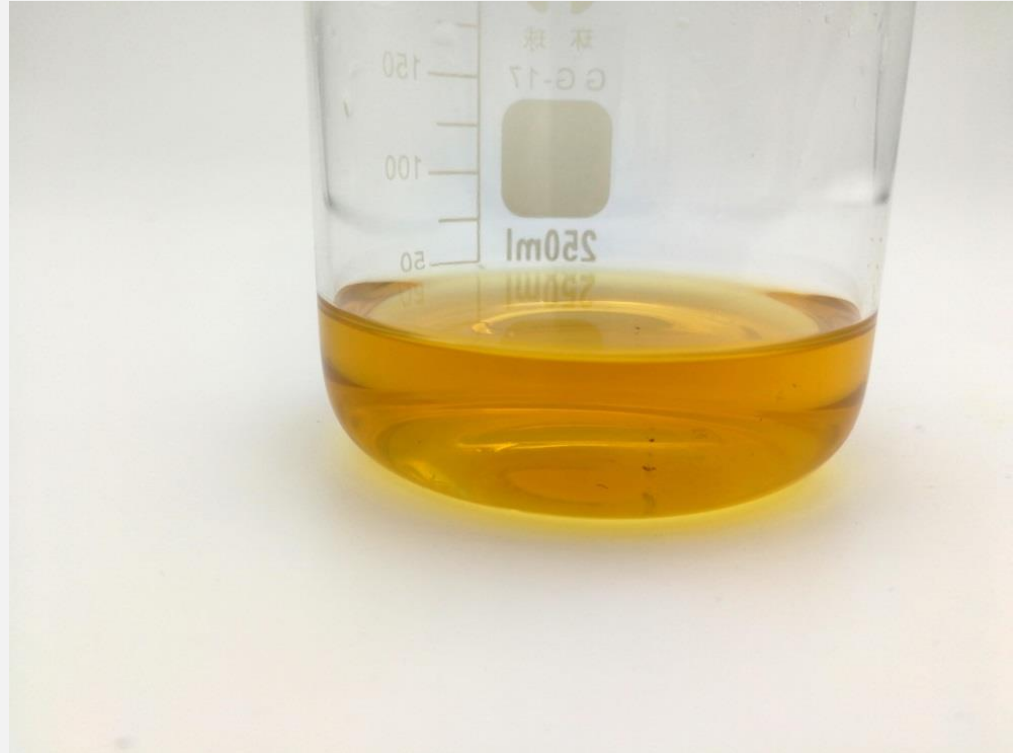


## Test Report-Soluble Asparagus extract powder

No.	Testing Items	Unit	Result	Method/Standard
1	Rutin	g/100g	5.4	CP2010
2	Vitamin A	µg/100g	None	GB 5009.82-2016
3	Selenium	mg/100kg	0.0158	GB 5009.93-2017
4	***Folic acid	µg/100g	366	GB 5009.211-2014
5	Vitamin C	mg/100g	19.6	GB 5009.86-2016
Amino acid (16 kinds)	Asp	g/100g	0.84	GB 5009.124-2016
	Thr	g/100g	0.13	
	Ser	g/100g	0.22	
	Glu	g/100g	1.3	
	Gly	g/100g	0.15	
	Ala	g/100g	0.28	
	Val	g/100g	0.19	
	Met	g/100g	0.05	
	Ile	g/100g	0.11	
	Leu	g/100g	0.17	
	Tyr	g/100g	0.033	
	Phe	g/100g	0.093	
	His	g/100g	0.12	
	Lys	g/100g	0.15	
Arg	g/100g	0.14		
Pro	g/100g	0.32		
Total	g/100g	4.3		

01

## Soluble Asparagus extract powder



02

## Asparagus sprout juice powder

### Production process & Characteristics

1. Asparagus leaf green juice powder is made from the mature production process of Japan, using fresh asparagus shoots and young leaves as raw materials, through selection, cleaning, killing, low temperature drying graded crushing, ball mill ultra-fine grinding, magnet adsorption, screening and classification, saturated steam sterilization, packaging and production of asparagus ultrafine powder.
2. The production process does not add any pigment flavors and other additives, the product is safe and reliable.
3. Contains all the nutrients of asparagus, the whole process is low temperature, and the nutrients are completely retained without loss.
4. The product is pink and green, with a fineness of 200-600 mesh, and the taste is smooth and smooth.
5. Using a ball mill to grind at low temperature, the cells are ground and broken, and the nutrients are quickly dissolved, which is beneficial to the absorption of nutrients.
6. The content standards of agricultural residues, heavy metals and functional ingredients of asparagus leaf juice powder are all exported to Japan and the EU.

02

## Asparagus sprout juice powder

### Nutritional Ingredients and Health Care functions of Asparagus Leaf Green Juice Powder

Asparagus leaf green juice powder, typical high-fiber low-fat food, contains all the nutrients of fresh asparagus, every 1 kg of asparagus, if the green juice is equivalent to 12 kg of fresh asparagus.

1. Rich in trace element selenium, tissue protein, folic acid, nucleic acid, asparagus saponin and so on. Selenium, known as the king of anti-cancer elements, L. is rich in trace element selenium, tissue protein, folic acid, nucleic acid, asparagus saponin, etc. Selenium, known as the king of anti-cancer elements, can prevent cancer cells from dividing and growing, inhibiting the vitality of carcinogens. And accelerate detoxification, and even reverse the cancer cells, stimulate the body's immune function, promote the formation of antibodies, and improve the resistance to cancer.
2. Rich in rutin, asparagus saponin, asparagine and other substances, have a good preventive and adjuvant treatment for prevention of cardiovascular and cerebrovascular diseases, for hypertension, hardening of the arteries, heart disease, diabetes, cystitis, acute and chronic hepatitis and Liver cirrhosis has a certain adjuvant treatment effect.
3. Contains coumarin, which has the effect of lowering blood sugar.
4. Rich in vitamin E, vitamin C, clear blood and balance blood sugar.
5. Saponins and amino acids in household bamboo shoots can increase the rate of alcohol catabolism and help drunken people to hangover faster. And can alleviate the symptoms of hangover and protect liver cells protected from alcohol toxins.
6. Contains a variety of asparagine and multivitamins, which can relieve anxiety, relieve nerves, improve body metabolism, eliminate fatigue, and help sleep.
7. Reduce fire and heat, nourish yin and diuresis
8. It is a typical high-fiber and low-fat food containing a large amount of dietary fiber and chlorophyll. Long-term consumption can prevent constipation and lose weight.

Test Report- **Asparagus sprout juice powder**

No.	Testing Items	Unit	Result	Method/Standard
1	Chlorophyll	mg/g	3.98	NY/T 3082-2017
2	Total Saponins(as Smilacaceagcalculated)	g/100g	10.8	CCSQF/B2.PY0001-2018
3	Quercetin	mg/100g	466	CP2015
4	Reduced glutathione	mg/100g	15.3	HPLC
5	L-Asparagine	g/100g	1.06	HPLC

# Test Report- Asparagus sprout juice powder

Natural, **healthy**

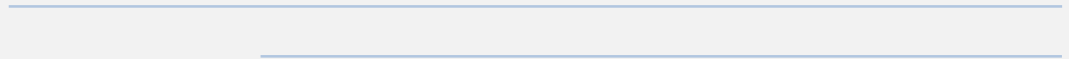
No.	Testing Items	Unit	Result	Method/Standard
1	Chlorophyll	mg/g	3.98	NY/T 3082-2017
2	Total Saponins(as Smilacaceagcalculated)	g/100g	10.8	CCSQF/B2.PY0001-2018
3	Quercetin	mg/100g	466	CP2015
4	Reduced glutathione	mg/100g	15.3	HPLC
5	L-Asparagine	g/100g	1.06	HPLC
Amino acid (16 kinds)	Asp	g/100g	2.95	GB 5009.124-2016
	Thr	g/100g	0.84	
	Ser	g/100g	1.05	
	Glu	g/100g	3.65	
	Gly	g/100g	0.96	
	Ala	g/100g	1.37	
	Val	g/100g	1.18	
	Met	g/100g	0.057	
	Ile	g/100g	0.85	
	Leu	g/100g	1.47	
	Tyr	g/100g	0.53	
	Phe	g/100g	0.86	
	His	g/100g	0.55	
	Lys	g/100g	1.2	
	Arg	g/100g	1.08	
	Pro	g/100g	1.15	
Total	g/100g	19.7		

## Test Report- Asparagus sprout juice powder

No.	Testing Items	Unit	Result	Method/Standard
1	Crude Fiber	%	14.2	GB/T 5009.10-2003
2	Protein	g/100g	26.3	GB 5009.5-2016
3	Fat	g/100g	2.4	GB 5009.6-2016
4	SOD	U/g	189	GB/T 5009.171-2003
5	Rutin	g/100g	7.5	CP2010
6	Beta-Carotene	μg/100g	6840	GB 5009.83-2016
7	Vitamin A	μg/100g	2890	GB 5009.82-2016
8	Selenium	mg/kg	0.0848	GB 5009.93-2016
9	***Folic acid	μg/100g	703	GB 5009.211-2014
10	Vitamin C	mg/100g	28.8	GB 5009.86-2016

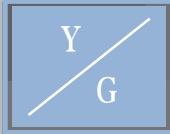
02

## Asparagus sprout juice powder





Our vision: To create a bridge between healthy life and nature.



Persisting in development principle that natural essence creates a healthy life, adhering to the sustainable development path of life health, with responsible, progressive and caring heart, the spirit of “three hearts”, we strive to accomplish the goal of “industry benchmark” to build a green channel of harmonious development for human beings and nature.

## Honoring our customers is all we do.

Listening to you. Making it easier to reach us. Making a difference.

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Thank you.