General

PEA PROTEIN POWDER

General (Both conventional and organic are available)

Application:
Healthy products, Solid beverage, Nutrition bar, etc.

Non Allergen, Non GMO, Neutral taste, Clean label, No Cholesterol, Amino-acid score PDCAAS in high level

Net weight: 20kgs 550kgs
Shelf life: 24months
Store at dry and room temperature

(S-80-A -1) 80%/85%

HEAVY METAL & GLUTEN ANALYSISQW

Test	SPECIFICATION	Detection method
Arsenic (ppm)	≤0.5	GB 5009.11-2014I
Cadmium (ppm)	≤0.5	GB 5009.15-2014
Lead (ppm)	≤0.5	GB 5009.12-2017I
Mercury (ppm)	≤0.5	GB 5009.17-2014I
Gluten (ppm)	≤5	ELISA
Soy (ppm)	≤2.5	ELISA

MICRBIOLOGICAL ANALYSIS

Microbiological	SPECIFICATION	Detection method
TPC (CFU/g)	≤30000	GB 4789.2-2016
Coliforms (CFU/g)	≤30	GB 4789.3-2016II
E coli (CFU/g)	negative	3M pertrifilm
Salmonella (/25g)	negative	3M pertrifilm
Staph aureus (/25g)	negative	3M pertrifilm
Yeast & Mould (CFU/g)	≤50	GB 4789.15-2016I

(S-80-A -1) 80%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	6% max	GB 5009.4-2016I
Protein (dry basis)(%)	80% min	GB 5009.5-2016
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	5% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8,570 mg/100g	Leucine	6,530 mg/100g
Threonina	2,810 mg/100g	Tyrosine	2,270 mg/100g
serine	3,910 mg/100g	Phenylalanine	4,390 mg/100g
Gutamic Acid	13,580 mg/100g	Lysine	6,030 mg/100g
Proline	3,330 mg/100g	Histdine	2,190 mg/100g
Glycine	2,920 mg/100g	Arginine	6,690 mg/100g
Alnaine	3,440 mg/100g	Cystine	720 mg/100g
Valine	4,220 mg/100g	Mothionine	780 mg/100g
Isoleucine	3,800 mg/100g	Tryptophan	710 mg/100g
Total Amino	75440 mg/100g		

(S-80-A-1) 85%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	5% max	GB 5009.4-2016I
Protein (dry basis)(%)	85%min	GB 5009.5-2016I
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	4% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8560 mg/100g	Leucine	7290 mg/100g
Threonina	3040 mg/100g	Tyrosine	3040 mg/100g
serine	4140 mg/100g	Phenylalanine	4790 mg/100g
Gutamic Acid	14680 mg/100g	Lysine	6370mg/100g
Proline	1380 mg/100g	Histdine	1810mg/100g
Glycine	3210 mg/100g	Arginine	7600 mg/100g
Alnaine	3670 mg/100g	Cystine	600mg/100g
Valine	4380 mg/100g	Mothionine	540 mg/100g
Isoleucine	4070 mg/100g	Tryptophan	1170 mg/100g
Total Amino	80360 mg/100g		

General

PEA PROTEIN POWDER

Mild Enzymolysis

(Both conventional and organic are available)

Application:
Can use in the Solid beverage, injection meat or roll over meat products, and vegetarian meat products.

This protein use special Enzymolysis technique, to guarantee the neutral taste, compare with normal pea protein, it is less bitter and astringent taste, very easy to be soluble in the water, can keep protein liquid more stable.

Net weight: 20kgs 550kgs
Shelf life: 24months
Store at dry and room temperature

(S-80-A -2) 80%/85%

HEAVY METAL & GLUTEN ANALYSISQW

Test	SPECIFICATION	Detection method
Arsenic (ppm)	≤0.5	GB 5009.11-2014I
Cadmium (ppm)	≤0.5	GB 5009.15-2014
Lead (ppm)	≤0.5	GB 5009.12-2017I
Mercury (ppm)	≤0.5	GB 5009.17-2014I
Gluten (ppm)	≤5	ELISA
Soy (ppm)	≤2.5	ELISA

MICRBIOLOGICAL ANALYSIS

Microbiological	SPECIFICATION	Detection method
TPC (CFU/g)	≤30000	GB 4789.2-2016
Coliforms (CFU/g)	≤30	GB 4789.3-2016II
E coli (CFU/g)	negative	3M pertrifilm
Salmonella (/25g)	negative	3M pertrifilm
Staph aureus (/25g)	negative	3M pertrifilm
Yeast & Mould (CFU/g)	≤50	GB 4789.15-2016I

(S-80-A -2) 80%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	6% max	GB 5009.4-2016I
Protein (dry basis)(%)	80% min	GB 5009.5-2016
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	5% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8,570 mg/100g	Leucine	6,530 mg/100g
Threonina	2,810 mg/100g	Tyrosine	2,270 mg/100g
serine	3,910 mg/100g	Phenylalanine	4,390 mg/100g
Gutamic Acid	13,580 mg/100g	Lysine	6,030 mg/100g
Proline	3,330 mg/100g	Histdine	2,190 mg/100g
Glycine	2,920 mg/100g	Arginine	6,690 mg/100g
Alnaine	3,440 mg/100g	Cystine	720 mg/100g
Valine	4,220 mg/100g	Mothionine	780 mg/100g
Isoleucine	3,800 mg/100g	Tryptophan	710 mg/100g
Total Amino	75440 mg/100g		

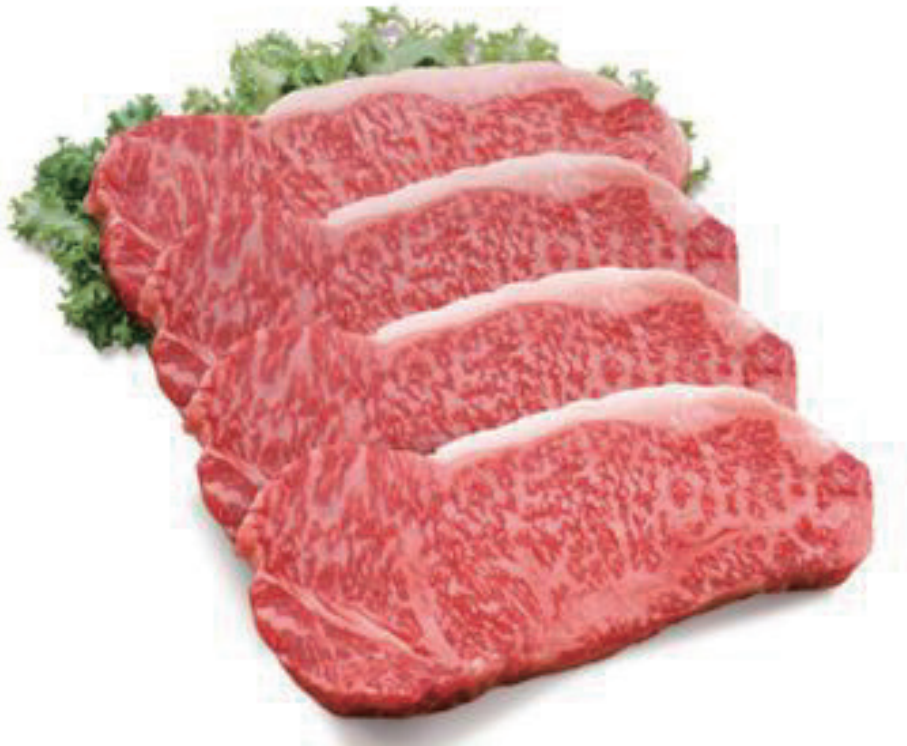
(S-80-A-2) 85%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	5% max	GB 5009.4-2016I
Protein (dry basis)(%)	85%min	GB 5009.5-2016I
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	4% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8560 mg/100g	Leucine	7290 mg/100g
Threonina	3040 mg/100g	Tyrosine	3040 mg/100g
serine	4140 mg/100g	Phenylalanine	4790 mg/100g
Gutamic Acid	14680 mg/100g	Lysine	6370mg/100g
Proline	1380 mg/100g	Histdine	1810mg/100g
Glycine	3210 mg/100g	Arginine	7600 mg/100g
Alnaine	3670 mg/100g	Cystine	600mg/100g
Valine	4380 mg/100g	Mothionine	540 mg/100g
Isoleucine	4070 mg/100g	Tryptophan	1170 mg/100g
Total Amino	80360 mg/100g		



General

PEA PROTEIN POWDER

Granulation (Both conventional and organic are available)

Application:
good food basis raw material more suitable for food materials such as solid drinks.

1.The granulation process brings good dispersibility to the pea protein powder. The dispersion and soaking time are greatly shortened. The dispersion time is only one-half of the general pea protein powder.
2.Eliminate the phenomenon of agglomeration of general pea protein powder during the process of brewing. It could improve the speed of brewing; make the application more convenient, and the product is more beautiful.
3.Reducing the phenomenon of powder blowing and material loss; making production and processing more convenient and cleaner.

Net weight: 20kgs 550kgs
Shelf life: 24months
Store at dry and room temperature

(S-80-A -3) 80%/85%

HEAVY METAL & GLUTEN ANALYSISQW

Test	SPECIFICATION	Detection method
Arsenic (ppm)	≤0.5	GB 5009.11-2014I
Cadmium (ppm)	≤0.5	GB 5009.15-2014
Lead (ppm)	≤0.5	GB 5009.12-2017I
Mercury (ppm)	≤0.5	GB 5009.17-2014I
Gluten (ppm)	≤5	ELISA
Soy (ppm)	≤2.5	ELISA

MICRBIOLOGICAL ANALYSIS

Microbiological	SPECIFICATION	Detection method
TPC (CFU/g)	≤30000	GB 4789.2-2016
Coliforms (CFU/g)	≤30	GB 4789.3-2016II
E coli (CFU/g)	negative	3M pertrifilm
Salmonella (/25g)	negative	3M pertrifilm
Staph aureus (/25g)	negative	3M pertrifilm
Yeast & Mould (CFU/g)	≤50	GB 4789.15-2016I

(S-80-A -3) 80%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	6% max	GB 5009.4-2016I
Protein (dry basis)(%)	80% min	GB 5009.5-2016
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	5% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8,570 mg/100g	Leucine	6,530 mg/100g
Threonina	2,810 mg/100g	Tyrosine	2,270 mg/100g
serine	3,910 mg/100g	Phenylalanine	4,390 mg/100g
Gutamic Acid	13,580 mg/100g	Lysine	6,030 mg/100g
Proline	3,330 mg/100g	Histdine	2,190 mg/100g
Glycine	2,920 mg/100g	Arginine	6,690 mg/100g
Alnaine	3,440 mg/100g	Cystine	720 mg/100g
Valine	4,220 mg/100g	Mothionine	780 mg/100g
Isoleucine	3,800 mg/100g	Tryptophan	710 mg/100g
Total Amino	75440 mg/100g		

(S-80-A-3) 85%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	5% max	GB 5009.4-2016I
Protein (dry basis)(%)	85%min	GB 5009.5-2016I
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	4% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8560 mg/100g	Leucine	7290 mg/100g
Threonina	3040 mg/100g	Tyrosine	3040 mg/100g
serine	4140 mg/100g	Phenylalanine	4790 mg/100g
Gutamic Acid	14680 mg/100g	Lysine	6370mg/100g
Proline	1380 mg/100g	Histdine	1810mg/100g
Glycine	3210 mg/100g	Arginine	7600 mg/100g
Alnaine	3670 mg/100g	Cystine	600mg/100g
Valine	4380 mg/100g	Mothionine	540 mg/100g
Isoleucine	4070 mg/100g	Tryptophan	1170 mg/100g
Total Amino	80360 mg/100g		

General

PEA PROTEIN POWDER

High Water Retention

（Both conventional and organic are available）

Application:
Ice-cream, Cakes, Bakery, High fat food, High water retention food, etc.

This protein's water retention ability can get more than 1:3.5

Net weight: 20kgs 550kgs
Shelf life: 24months
Store at dry and room temperature

(S-80-A -4) 80%/85%

HEAVY METAL & GLUTEN ANALYSISQW

Test	SPECIFICATION	Detection method
Arsenic (ppm)	≤0.5	GB 5009.11-2014I
Cadmium (ppm)	≤0.5	GB 5009.15-2014
Lead (ppm)	≤0.5	GB 5009.12-2017I
Mercury (ppm)	≤0.5	GB 5009.17-2014I
Gluten (ppm)	≤5	ELISA
Soy (ppm)	≤2.5	ELISA

MICRBIOLOGICAL ANALYSIS

Microbiological	SPECIFICATION	Detection method
TPC (CFU/g)	≤30000	GB 4789.2-2016
Coliforms (CFU/g)	≤30	GB 4789.3-2016II
E coli (CFU/g)	negative	3M pertrifilm
Salmonella (/25g)	negative	3M pertrifilm
Staph aureus (/25g)	negative	3M pertrifilm
Yeast & Mould (CFU/g)	≤50	GB 4789.15-2016I

(S-80-A -4) 80%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	6% max	GB 5009.4-2016I
Protein (dry basis)(%)	80% min	GB 5009.5-2016
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	5% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8,570 mg/100g	Leucine	6,530 mg/100g
Threonina	2,810 mg/100g	Tyrosine	2,270 mg/100g
serine	3,910 mg/100g	Phenylalanine	4,390 mg/100g
Gutamic Acid	13,580 mg/100g	Lysine	6,030 mg/100g
Proline	3,330 mg/100g	Histdine	2,190 mg/100g
Glycine	2,920 mg/100g	Arginine	6,690 mg/100g
Alnaine	3,440 mg/100g	Cystine	720 mg/100g
Valine	4,220 mg/100g	Mothionine	780 mg/100g
Isoleucine	3,800 mg/100g	Tryptophan	710 mg/100g
Total Amino	75440 mg/100g		

(S-80-A-4) 85%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	5% max	GB 5009.4-2016I
Protein (dry basis)(%)	85%min	GB 5009.5-2016I
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	4% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8560 mg/100g	Leucine	7290 mg/100g
Threonina	3040 mg/100g	Tyrosine	3040 mg/100g
serine	4140 mg/100g	Phenylalanine	4790 mg/100g
Gutamic Acid	14680 mg/100g	Lysine	6370mg/100g
Proline	1380 mg/100g	Histdine	1810mg/100g
Glycine	3210 mg/100g	Arginine	7600 mg/100g
Alnaine	3670 mg/100g	Cystine	600mg/100g
Valine	4380 mg/100g	Mothionine	540 mg/100g
Isoleucine	4070 mg/100g	Tryptophan	1170 mg/100g
Total Amino	80360 mg/100g		

General

PEA PROTEIN POWDER

High Gelation （Both conventional and organic are available）

Applications:
This protein can be used in ham, sausage, and other meat products, also can use in Pulp, flour food, nutrition bar, bakery, etc.

This protein can get good gelation, can make meat more elastic, and give better taste. Also can keep more water and oil, and emulsibility is very good, can get high products yield, reduce process cost, also make long time of shelf-life.

Net weight: 20kgs 550kgs
Shelf life: 24months
Store at dry and room temperature

(S-80-A -5) 80%/85%

HEAVY METAL & GLUTEN ANALYSISQW

Test	SPECIFICATION	Detection method
Arsenic (ppm)	≤0.5	GB 5009.11-2014I
Cadmium (ppm)	≤0.5	GB 5009.15-2014
Lead (ppm)	≤0.5	GB 5009.12-2017I
Mercury (ppm)	≤0.5	GB 5009.17-2014I
Gluten (ppm)	≤5	ELISA
Soy (ppm)	≤2.5	ELISA

MICRBIOLOGICAL ANALYSIS

Microbiological	SPECIFICATION	Detection method
TPC (CFU/g)	≤30000	GB 4789.2-2016
Coliforms (CFU/g)	≤30	GB 4789.3-2016II
E coli (CFU/g)	negative	3M pertrifilm
Salmonella (/25g)	negative	3M pertrifilm
Staph aureus (/25g)	negative	3M pertrifilm
Yeast & Mould (CFU/g)	≤50	GB 4789.15-2016I

(S-80-A -5) 80%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	6% max	GB 5009.4-2016I
Protein (dry basis)(%)	80% min	GB 5009.5-2016
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	5% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8,570 mg/100g	Leucine	6,530 mg/100g
Threonina	2,810 mg/100g	Tyrosine	2,270 mg/100g
serine	3,910 mg/100g	Phenylalanine	4,390 mg/100g
Gutamic Acid	13,580 mg/100g	Lysine	6,030 mg/100g
Proline	3,330 mg/100g	Histdine	2,190 mg/100g
Glycine	2,920 mg/100g	Arginine	6,690 mg/100g
Alnaine	3,440 mg/100g	Cystine	720 mg/100g
Valine	4,220 mg/100g	Mothionine	780 mg/100g
Isoleucine	3,800 mg/100g	Tryptophan	710 mg/100g
Total Amino	75440 mg/100g		

(S-80-A-5) 85%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	5% max	GB 5009.4-2016I
Protein (dry basis)(%)	85%min	GB 5009.5-2016I
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	4% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8560 mg/100g	Leucine	7290 mg/100g
Threonina	3040 mg/100g	Tyrosine	3040 mg/100g
serine	4140 mg/100g	Phenylalanine	4790 mg/100g
Gutamic Acid	14680 mg/100g	Lysine	6370mg/100g
Proline	1380 mg/100g	Histdine	1810mg/100g
Glycine	3210 mg/100g	Arginine	7600 mg/100g
Alnaine	3670 mg/100g	Cystine	600mg/100g
Valine	4380 mg/100g	Mothionine	540 mg/100g
Isoleucine	4070 mg/100g	Tryptophan	1170 mg/100g
Total Amino	80360 mg/100g		

General

PEA PROTEIN POWDER

Low Sodium & High Calcium

（Both conventional and organic are available）

The sodium content less than 400ppm
Application: For some special products that need low sodium.

Net weight: 20kgs 550kgs
Shelf life: 24months
Store at dry and room temperature

(S-80-A -6) 80%/85%

HEAVY METAL & GLUTEN ANALYSISQW

Test	SPECIFICATION	Detection method
Arsenic (ppm)	≤0.5	GB 5009.11-2014I
Cadmium (ppm)	≤0.5	GB 5009.15-2014
Lead (ppm)	≤0.5	GB 5009.12-2017I
Mercury (ppm)	≤0.5	GB 5009.17-2014I
Gluten (ppm)	≤5	ELISA
Soy (ppm)	≤2.5	ELISA

MICRBIOLOGICAL ANALYSIS

Microbiological	SPECIFICATION	Detection method
TPC (CFU/g)	≤30000	GB 4789.2-2016
Coliforms (CFU/g)	≤30	GB 4789.3-2016II
E coli (CFU/g)	negative	3M pertrifilm
Salmonella (/25g)	negative	3M pertrifilm
Staph aureus (/25g)	negative	3M pertrifilm
Yeast & Mould (CFU/g)	≤50	GB 4789.15-2016I

(S-80-A -6) 80%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	6% max	GB 5009.4-2016I
Protein (dry basis)(%)	80% min	GB 5009.5-2016
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	5% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8,570 mg/100g	Leucine	6,530 mg/100g
Threonina	2,810 mg/100g	Tyrosine	2,270 mg/100g
serine	3,910 mg/100g	Phenylalanine	4,390 mg/100g
Gutamic Acid	13,580 mg/100g	Lysine	6,030 mg/100g
Proline	3,330 mg/100g	Histdine	2,190 mg/100g
Glycine	2,920 mg/100g	Arginine	6,690 mg/100g
Alnaine	3,440 mg/100g	Cystine	720 mg/100g
Valine	4,220 mg/100g	Mothionine	780 mg/100g
Isoleucine	3,800 mg/100g	Tryptophan	710 mg/100g
Total Amino	75440 mg/100g		

(S-80-B-6) 85%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	5% max	GB 5009.4-2016I
Protein (dry basis)(%)	85%min	GB 5009.5-2016I
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	4% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8560 mg/100g	Leucine	7290 mg/100g
Threonina	3040 mg/100g	Tyrosine	3040 mg/100g
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Proline	1380 mg/100g	Histdine	1810mg/100g
Glycine	3210 mg/100g	Arginine	7600 mg/100g
Alnaine	3670 mg/100g	Cystine	600mg/100g
Valine	4380 mg/100g	Mothionine	540 mg/100g
Isoleucine	4070 mg/100g	Tryptophan	1170 mg/100g
Total Amino	80360 mg/100g		

Organic glyphosate ≤0.01ppm

DEHULLED PEA PROTEIN POWDER New Dry Method Organic

Application:
Suitable for solid beverage, sports drinks, nutrition bars etc.

It is more neutral taste, more white color, soy free, Glyphosate ≤0.01ppm, with TC for every batch.

Net weight: 20kgs 550kgs
Shelf life: 24months
Store at dry and room temperature

(S-80-B-0 -7) 80%/85%

HEAVY METAL & GLUTEN ANALYSISQW

Test	SPECIFICATION	Detection method
Arsenic (ppm)	≤0.5	GB 5009.11-2014I
Cadmium (ppm)	≤0.5	GB 5009.15-2014
Lead (ppm)	≤0.5	GB 5009.12-2017I
Mercury (ppm)	≤0.5	GB 5009.17-2014I
Gluten (ppm)	≤5	ELISA
Soy (ppm)	≤2.5	ELISA

MICRBIOLOGICAL ANALYSIS

Microbiological	SPECIFICATION	Detection method
TPC (CFU/g)	≤30000	GB 4789.2-2016
Coliforms (CFU/g)	≤30	GB 4789.3-2016II
E coli (CFU/g)	negative	3M pertrifilm
Salmonella (/25g)	negative	3M pertrifilm
Staph aureus (/25g)	negative	3M pertrifilm
Yeast & Mould (CFU/g)	≤50	GB 4789.15-2016I

(S-80-B-0 -7) 80%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	6% max	GB 5009.4-2016I
Protein (dry basis)(%)	80% min	GB 5009.5-2016
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	5% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8,570 mg/100g	Leucine	6,530 mg/100g
Threonina	2,810 mg/100g	Tyrosine	2,270 mg/100g
serine	3,910 mg/100g	Phenylalanine	4,390 mg/100g
Gutamic Acid	13,580 mg/100g	Lysine	6,030 mg/100g
Proline	3,330 mg/100g	Histdine	2,190 mg/100g
Glycine	2,920 mg/100g	Arginine	6,690 mg/100g
Alnaine	3,440 mg/100g	Cystine	720 mg/100g
Valine	4,220 mg/100g	Mothionine	780 mg/100g
Isoleucine	3,800 mg/100g	Tryptophan	710 mg/100g
Total Amino	75440 mg/100g		

(S-80-B-0 -7) 85%

PHYSICAL COMPOSITION

Test	SPECIFICATION	Detection method
Moisture (%)	8% max	GB 5009.3-2016I
Ash(%)	5% max	GB 5009.4-2016I
Protein (dry basis)(%)	85%min	GB 5009.5-2016I
Fat(%)	1%max	GB 5009.6-2016I
Fat(%)	10%max	GB 5009.6-2016II
Total Carbohydrates (%)	10% max	GB/Z 21922-2008
Dietary Fiber (%)	4% max	GB 5009.88-2014

Amino Acids:mg/100g

AsparticAcid	8560 mg/100g	Leucine	7290 mg/100g
Threonina	3040 mg/100g	Tyrosine	3040 mg/100g
serine	4140 mg/100g	Phenylalanine	4790 mg/100g
Gutamic Acid	14680 mg/100g	Lysine	6370mg/100g
Proline	1380 mg/100g	Histdine	1810mg/100g
Glycine	3210 mg/100g	Arginine	7600 mg/100g
Alnaine	3670 mg/100g	Cystine	600mg/100g
Valine	4380 mg/100g	Mothionine	540 mg/100g
Isoleucine	4070 mg/100g	Tryptophan	1170 mg/100g
Total Amino	80360 mg/100g		

Mungbean Protein

Protein content ≥80%
Very good gelation and emulsifying property,
Allergen free
Gluten free
Has the significant effect on reducing blood sugar
More healthy products

Net weight: 15kgs
Shelf life: 24months
Store at dry and room temperature

Test Item(s)	Unit	Test Method(s)	Test Result(s)	LOQ	Limit	Single determination
Protein(on dry base)	%	GB 5009.5-2016 I	85.2	-	>80	Conform
Moisture	g/100g	GB 5009.3-2016 I	6.65	-	≤10.0	Conform
Ash(on basis of dry matter)	g/100g	GB 5009.4-2016 I	4.1	-	≤6.0	Conform
Fat(on dry base)	%	GB 5009.6-2016 I	0.2	-	≤8.0	Conform
Crude Fiber	g/100g	GB/T 5009.10-2003	0.1	-	≤1.0	Conform
Total Arsenic (As)	mg/kg	GB 5009.11-2014 I	0.019	0.01	≤0.5	Conform
Lead (Pb)	mg/kg	GB 5009.12-2017 II	ND	0.05	≤0.5	Conform
Total Mercury(Hg)	mg/kg	GB 5009.17-2014 I	ND	0.01	-	-
Cadmium (Cd)	mg/kg	GB 5009.15-2014	0.018	0.003	-	-
Chromium (Cr)	mg/kg	GB 5009.123-2014	0.11	0.10	-	-
Aflatoxin B_1	μg/kg	GB 5009.22-2016 III	ND	0.3	-	-
Aflatoxin B_2	μg/kg	GB 5009.22-2016 III	ND	0.2	-	-
Aflatoxin G_1	μg/kg	GB 5009.22-2016 III	ND	0.3	-	-
Aflatoxin G_2	μg/kg	GB 5009.22-2016 III	ND	0.2	-	-
Aflatoxin (B_1+B_2+G_1+G_2)	μg/kg	GB 5009.22-2016 III	ND	1	-	-
Ochratoxin A	μg/kg	GB 5009.96-2016 I	ND	1.0	-	-
Fumonisin B_1	μg/kg	GB 5009.240-2016	ND	20	-	-
Fumonisin B_2	μg/kg	GB 5009.240-2016	ND	10	-	-
Fumonisin B_3	μg/kg	GB 5009.240-2016	ND	10	-	-
Deoxynivalenol	μg/kg	GB 5009.111-2016 II	ND	200	-	-
Zearalenone	μg/kg	GB 5009.209-2016 III	ND	17	-	-
Sulfur Dioxide	mg/kg	GB 5009.34-2016	ND	10	-	-

Test Item(s)	Unit	Test Method(s)	Test Result(s) 001	LOQ
Fructose	%	GB 5009.8-2016 I	ND	0.2
Glucose	%	GB 5009.8-2016 I	ND	0.2
Sucrose	%	GB 5009.8-2016 I	ND	0.2
Maltose	%	GB 5009.8-2016 I	ND	0.2
Lactose	%	GB 5009.8-2016 I	ND	0.2
Total (Fructose+ Glucose +Sucrose+ Maltose+ Lactose)	%	GB 5009.8-2016 I	ND	-
Calcium (Ca)	mg/kg	GB 5009.92-2016 I	2.55x10^3	1.5
Iron (Fe)	mg/kg	GB 5009.90-2016 I	123	2.5
*Phosporous (P)	mg/kg	GB 5009.87-2016 Method III	7.77x10^3	3
Cholesterol	mg/100g	AOAC 994.10	ND	1
Saturated fat	g/100g	GB 5009.168-2016 I	1.98	0.01
Trans fatty acid isomers	% (g/100g)	GB 5009.257-2016	ND	0.024
*Vitamin D_2	μg/100g	AOAC 982.29	ND	2.0
*Vitamin D_3	μg/100g	AOAC 982.29	ND	2.0
*Vitamin D	μg/100g	AOAC 982.29	ND	-

Fava Bean Protein

Protein content ≥90%
Good dispersibility
Good solubility
Good taste
Application: Powder drinks, Nutrition bar, Bakery food, Sports drinks, etc.

Net weight: 20kgs
Shelf life: 24months
Store at dry and room temperature

Test Item(s)	Unit(s)	Test method(s)	Test result(s)	Sampling plan and limits				Single determination
				n	c	m	M	
Salmonella spp	/25g	GB 4789.4-2016	Not detected	5	0	0	-	Conform
	/25g		Not detected					
	/25g		Not detected					
	/25g		Not detected					
	/25g		Not detected					
Staphylococcus aureus	CFU/g	GB 4789.10-2016 II	<10	5	1	100	1000	Conform
	CFU/g		<10					
	CFU/g		<10					
	CFU/g		<10					
	CFU/g		<10					

Test Item(s)	Unit	Test Method(s)	Test Result(s)	Limit	Single determination
TPC	CFU/g	GB 4789.2-2016	<10	≤10000	Conform
Coliforms	MPN/100g	GB/T 4789.3-2003	<30	≤30	Conform
Mould	CFU/g	GB 478915-2016 I	<10	-	-
Yeast	CFU/g	GB 478915-2016 I	<10	-	-

Test Item(s)	Unit	Test Method(s)	Test Result(s)	LOQ	Limit	Single determination
Protein(on dry base)	%	GB 5009.5-2016 I	84.8	-	>80	Conform
Moisture	g/100g	GB 5009.3-2016 I	6.24	-	≤10.0	Conform
Ash(on basis of dry matter)	g/100g	GB 5009.4-2016 I	6.0	-	≤6.0	Conform
Fat(on dry base)	%	GB 5009.6-2016 I	0.3	-	≤8.0	Conform
Crude Fiber	g/100g	GB/T 5009.10-2003	0.1	-	≤1.0	Conform
Total Arsenic (As)	mg/kg	GB 5009.11-2014 I	0.061	0.01	≤0.5	Conform
Lead (Pb)	mg/kg	GB 5009.12-2017 II	ND	0.05	≤0.5	Conform
Total Mercury(Hg)	mg/kg	GB 5009.17-2014 I	ND	0.01	-	-
Cadmium (Cd)	mg/kg	GB 5009.15-2014	0.10	0.003	-	-
Chromium (Cr)	mg/kg	GB 5009.123-2014	0.71	0.10	-	-
Aflatoxin B□	μg/kg	GB 5009.22-2016 III	ND	0.3	-	-
Aflatoxin B□	μg/kg	GB 5009.22-2016 III	ND	0.2	-	-
Aflatoxin G□	μg/kg	GB 5009.22-2016 III	ND	0.3	-	-
Aflatoxin G□	μg/kg	GB 5009.22-2016 III	ND	0.2	-	-
Aflatoxin (B□B□G□G□)	μg/kg	GB 5009.22-2016 III	ND	1	-	-
Ochratoxin A	μg/kg	GB 5009.96-2016 I	1.2	1.0	-	-
Fumonisin B□	μg/kg	GB 5009.240-2016	ND	20	-	-
Fumonisin B□	μg/kg	GB 5009.240-2016	ND	10	-	-
Fumonisin B□	μg/kg	GB 5009.240-2016	ND	10	-	-
Deoxynivalenol	μg/kg	GB 5009.111-2016 II	ND	200	-	-
Zearalenone	μg/kg	GB 5009.209-2016 III	ND	17	-	-
Sulfur Dioxide	mg/kg	GB 5009.34-2016	ND	10	-	-

Pea Fiber

Fiber content: 70%
Particle size: 60 mesh, 80-100mesh
Application: Bakery Food, Healthy products, Jam, Snack food, Yogurt, etc.

Net weight: 20kgs 15kgs
Shelf life: 24months
Store at dry and room temperature

Test Item(s)	Unit	Test Method(s)	Test Result(s)	Limit	Single determination
Staphylococcus Aureus/25g	-	GB 4789.10-2016 I	ND	ND	Conform
Mould&Yeast	CFU/g	GB 4789.15-2016 I	<10	≤50	Conform
Coliforms	MPN/100g	GB/T 4789.3-2003	<30	≤90	Conform
Salmonella/25g	-	GB 4789.4-2016	ND	ND	Conform
Shigella/25g	-	GB 4789.5-2012	ND	ND	Conform
Aerobic plate count	CFU/g	GB 4789.2-2016	<10	≤30000	Conform

Test Item(s)	Unit	Test Method(s)	Test Result(s)	LOQ	Limit	Single determination
Dietary Fiber	%	GB 5009.88-2014	80.0	-	60~80 (Contain 60)	Conform
Moisture	g/100g	GB 5009.3-2016 I	2.26	-	≤10	Conform
Ash	%	GB 5009.4-2016 I	1.8	-	≤5	Conform
Total Arsenic (As)	mg/kg	GB 5009.11-2014 I	ND	0.01	≤0.5	Conform
Lead (Pb)	mg/kg	GB 5009.12-2017 II	ND	0.05	≤0.5	Conform

Textured Pea Protein

Type: Flake or Granular
Protein content: 60% 70% 80%
Size: According to customer's requirement
Application: Vegetarian meat, burger patties, sausages, chicken-like fillets, nuggets etc.

Net weight: 7kgs
Shelf-life: 24 months

Test Item(s)	Unit(s)	Test Method(s)	Test Result(s)
Aerobic plate count	CFU/g	GB 4789.2-2016	90

Test Item(s)	Unit(s)	Test Method(s)	Test Result(s)	LOQ(s)
Total fat	g/100g	AOAC 996.06-2008	5.93	0.01
Saturated fat	g/100g	AOAC 996.06-2008	1.53	0.01
Trans fat	g/100g	AOAC 996.06-2008	0.04	0.01
*Iron (Fe)	mg/100g	AOAC 984.27	19.32	0.10
*Potassium (K)	mg/100g	AOAC 984.27	123.28	0.10
*Calcium (Ca)	mg/100g	AOAC 984.27	162.78	0.10
*Sodium (Na)	mg/100g	AOAC 984.27	712.57	0.1
*Arsenic (As)	mg/kg	AOAC international Vol 90, NO.3,2007	0.18	0.02
*Lead (Pb)	mg/kg	AOAC international Vol 90, NO.3,2007	0.16	0.02
*Mercury (Hg)	mg/kg	AOAC international Vol 90, NO.3,2007	ND	0.01
*Cadmium (Cd)	mg/kg	AOAC international Vol 90, NO.3,2007	0.10	0.02
*Fructose	%	AOAC 982.14	ND	0.4
*Glucose	%	AOAC 982.14	ND	0.4
*Sucrose	%	AOAC 982.14	ND	0.4
*Maltose	%	AOAC 982.14	ND	0.4
*Lactose	%	AOAC 982.14	ND	0.4
*Total (Fructose+ Glucose +Sucrose+ Maltose+ Lactose)	%	AOAC 982.14	ND	-
*Vitamin D□	μg/100g	AOAC 982.29	ND	2.0
*Vitamin D□	μg/100g	AOAC 982.29	ND	2.0
*Vitamin D	μg/100g	AOAC 982.29	ND	-

Test Item(s)	Unit(s)	Test Method(s)	Test Result(s)	LOQ(s)
Cholesterol	mg/100g	AOAC 994.10	ND	1
*Moisture	g/100g	AOAC 935.29	8.65	-
Dietary Fiber	%	AOAC 991.43	2.3	-
*Crude ash	g/100g	AOAC 923.03	3.3	-
*Protein(as wet basis)	g/100g	AOAC 979.09	64.6	-
*Protein(as dry basis)	g/100g	AOAC 979.09	72.9	-
*Cys(CysO3H) (as wet basis)	g/100g	In house method	0.37	0.01
*MetSON(as wet basis)	g/100g	In house method	0.70	0.01
*Aspartic acid (as wet basis)	g/100g	In house method	7.63	0.01
*Threonine(as wet basis)	g/100g	In house method	2.46	0.01
*Serine(as wet basis)	g/100g	In house method	3.31	0.01
*Glutamic acid (as wet basis)	g/100g	In house method	12.08	0.01
*Glycine(as wet basis)	g/100g	In house method	2.68	0.01
*Alanine(as wet basis)	g/100g	In house method	2.83	0.01
*Valine(as wet basis)	g/100g	In house method	3.61	0.01
*Isoleucine(as wet basis)	g/100g	In house method	3.40	0.01
*Leucine(as wet basis)	g/100g	In house method	5.76	0.01
*Tyrosine(as wet basis)	g/100g	In house method	2.49	0.01
*Phenylalanine (as wet basis)	g/100g	In house method	3.63	0.01
*Lysine(as wet basis)	g/100g	In house method	5.07	0.01
*Histidine(as wet basis)	g/100g	In house method	1.69	0.01
*Arginine(as wet basis)	g/100g	In house method	5.87	0.01
*Proline(as wet basis)	g/100g	In house method	3.10	0.01
*Tryptophan (as wet basis)	g/100g	In house method	0.70	0.01
*Total amino acid (as wet basis)	g/100g	In house method	67.38	-
*Cys(CysO3H) (as dry basis)	g/100g	In house method	0.42	0.01
*MetSON(as dry basis)	g/100g	In house method	0.79	0.01
*Aspartic acid (as dry basis)	g/100g	In house method	8.61	0.01
*Threonine(as dry basis)	g/100g	In house method	2.78	0.01
*Serine(as dry basis)	g/100g	In house method	3.74	0.01
*Glutamic acid (as dry basis)	g/100g	In house method	13.63	0.01

Test Item(s)	Unit(s)	Test Method(s)	Test Result(s)	LOQ(s)
*Glycine(as dry basis)	g/100g	In house method	3.02	0.01
*Alanine(as dry basis)	g/100g	In house method	3.19	0.01
*Valine(as dry basis)	g/100g	In house method	4.07	0.01
*Isoleucine(as dry basis)	g/100g	In house method	3.83	0.01
*Leucine(as dry basis)	g/100g	In house method	6.50	0.01
*Tyrosine(as dry basis)	g/100g	In house method	2.81	0.01
*Phenylalanine (as dry basis)	g/100g	In house method	4.10	0.01
*Lysine(as dry basis)	g/100g	In house method	5.72	0.01
*Histidine(as dry basis)	g/100g	In house method	1.91	0.01
*Arginine(as dry basis)	g/100g	In house method	6.63	0.01
*Proline(as dry basis)	g/100g	In house method	3.50	0.01
*Tryptophan(as dry basis)	g/100g	In house method	0.79	0.01
*Total amino acid (as dry basis)	g/100g	In house method	76.04	-

Calculate Item(s)	Unit(s)	Calculate Method(s)	Calculate Result(s)
*Calories	kcal/100g	FDA 21 CFR 101.9	371
Calories from fat	kcal/100g	FDA 21 CFR 101.9	53
*Total Carbohydrate	g/100g	FDA 21 CFR 101.9	14.8