

TECHNICAL SPECIFICATION

Produce name: Pea protein
Description: Pea protein 85%(dry basis) Isolate

Items Analyzed	Specification	Test Method
Chemical Composition		
Protein, dry basis(%)	≥ 85	GB 5009.5-2016
Moisture(%)	≤ 8	GB 5009.3-2016
Ash(%)	≤ 8	GB 5009.4-2016

Physical Properties

Appearance	Light yellow or milk white fine powder	Visual
Taste & Odor	Taste like natural flavor,without peculiar smell	Visual
Impurity	No visible impurity	Visual

Heavy Metal Analysis:

Lead (Pb)	≤ 0.1 ppm	GB 5009.12-2017
Arsenic (As)	≤ 0.1 ppm	GB 5009.11-2014
Cadmium (Cd)	≤ 0.1 ppm	GB 5009.15-2014
Mercury (Hg)	≤ 0.1 ppm	GB 5009.17-2014

Microbiological Analysis:

Total plate count	$\leq 10,000$ CFU/g	GB 4789.2-2016
Yeast & Mold	≤ 30 CFU/g	GB 4789.15-2016
Escherichia coli	Negative	GB 4789.6-2016
Coliforms	Negative	GB 4789.3-2016
Salmonella	Negative	GB 4789.4-2016

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Typical Nutritional Data per 100g

Test Item(s)	Unit	Test Method(s)	Test Result(s)	MDL
Total Fat	g/100g	AOAC996.06	8.02	0.01
Saturated Fat	g/100g	AOAC996.06	1.92	0.01
trans Fat	g/100g	AOAC996.06	0.03	0.01
Cholesterol	mg/100g	AOAC994.10	ND	1
Dietary Fiber	g/100g	AOAC991.43	2.1	-
Iron (Fe)	mg/100g	AOAC984.27	21.79	0.10
Potassium (K)	mg/100g	AOAC984.27	142.77	0.10
Calcium (Ca)	mg/100g	AOAC984.27	129.32	0.10
Sodium (Na)	mg/100g	AOAC984.27	866.52	0.10
Moisture	g/100g	AOAC935.29	4.42	-
Ash	g/100g	AOAC923.03	3.5	-
Vitamin D2	µg/100g	AOAC982.29	ND	2.0
Vitamin D3	µg/100g	AOAC982.29	ND	2.0
Vitamin D	µg/100g	AOAC982.29	ND	-
Total Sugars	%	AOAC982.14	ND	0.4
Fructose	%	AOAC982.14	ND	0.4
Glucose	%	AOAC982.14	ND	0.4
Sucrose	%	AOAC982.14	ND	0.4
Maltose	%	AOAC982.14	ND	0.4
Lactose	%	AOAC982.14	ND	0.4
Proteins	g/100g	AOAC979.09	81.9	-
Proteins(Dry base)	g/100g	AOAC979.09	85.7	-

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Amino Acid Profile: % of Total Amino Acids

Aspartic acid	7.96
Threonine	3.00
Serine	4.22
Glutamic acid	14.38
Glycine	3.28
Alanine	3.63
Cystine	1.33
Valine	4.26
Methionine	1.12
Isoleucine	4.04
Leucine	7.53
Tyrosine	3.23
Phenylalanine	4.72
Lysine	6.28
Histidine	2.05
Tryptophan	0.98
Arginine	7.32
Proline	3.54

Source:

Non-GMO US & Canadian grown yellow peas product further processed in China

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Allergen Statement: **Pea Protein 85%** does not contain eggs, milk, mustard, peanuts, seafood (fish, crustaceans, shellfish), sesame, soy, sulphites, tree nuts and wheat.

Other Properties:	Bulk Density	0.4 g/mL
	Taste	Bland
	Acid Stability	highly stable
	Heat Stability	Acceptable for baking
	pH	6–8
	Mesh	95% pass through 100 mesh