



# IDYLBIO® PS80

## TECHNICAL SPECIFICATION

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**Product Name :** Pea protein  
**Product Code:** IDYLBIO® PS80  
**Description :** Pea Protein 80% (dry basis) Isolate

Items Analyzed	Specification	Test Method
<b>Chemical Composition</b>		
Protein,dry basis(%)	≥ 80	GB 5009.5-2016
Moisture(%)	≤ 8	GB 5009.3-2016
Ash(%)	≤ 8.0	GB 5009.4-2016
<b>Physical Properties</b>		
Appearance	Light yellow or milk white fine powder	Visual
Taste & Odor	Taste like natural flavor,without peculiar smell	Visual
Impurity	No visible impurity	Visual
<b>Heavy Metal Analysis:</b>		
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
<b>Microbiological Analysis:</b>		
Total plate count	≤ 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	8.82	0.01
Saturated Fat	g/100g	AOAC996.06	2.08	0.01
trans Fat	g/100g	AOAC996.06	0.06	0.01
Cholesterol	mg/100g	AOAC994.10	ND	1
Dietary Fiber	g/100g	AOAC991.43	4.1	-
Iron (Fe)	mg/100g	AOAC984.27	21.71	0.10
Potassium (K)	mg/100g	AOAC984.27	139.97	0.10
Calcium (Ca)	mg/100g	AOAC984.27	128.23	0.10
Sodium (Na)	mg/100g	AOAC984.27	781.15	0.10
Moisture	g/100g	AOAC935.29	4.35	-
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	79.1	-
Proteins(Dry base)	g/100g	AOAC979.09	82.7	-



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**Amino Acid Profile:** % of Total Amino Acids

Aspartic acid	7.50
Threonine	2.83
Serine	3.97
Glutamic acid	13.54
Glycine	3.09
Alanine	3.42
Cystine	1.25
Valine	4.01
Methionine	1.05
Isoleucine	3.80
Leucine	7.09
Tyrosine	3.04
Phenylalanine	4.45
Lysine	5.91
Histidine	1.93
Tryptophan	0.92
Arginine	6.89
Proline	3.33

**Shelf-Life:** 24 months from the date of manufacturing when properly stored in a closed container in a cool and dry place, away from strong light.

**Packaging:** PE bag inside paper bag

**Safety:** Safe, non-toxic

**Label Declaration:** Pea protein

**Certifications:** ISO、HACCP、BRC、Kosher and Halal

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

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**Allergen Statement:** **IDYLBIO® PS80** does not contain eggs, milk, mustard, peanuts, seafood (fish, crustaceans, shellfish), sesame, soy, sulphites, tree nuts and wheat.

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

**Application:**

- Sports drinks and solid drinks**
- Baked Goods, Breakfast Cereals**
- Beverages and Juices Confectionary**
- Dairy Products, Jams and Jellies**
- Meal Replacements, Meat Products**
- Nutritional bars, Powdered Shakes**
- Sauces, Puddings & Dressings Snack Foods**

*Disclaimer: Ingredient specifications are based on anticipated composition, yield and performance. Prospective purchasers should conduct their own tests, studies and regulatory review to determine the product's fitness for their particular purposes, product claims and specifications.*