

# Barley-Rice-Pea Protein Blend

## A Protein Solution that Checks all the Boxes

- ☑ Plant-Based
- ☑ Complete Protein - PDCAAS of 1.0
- ☑ Sustainable / Upcycled

We've developed a true “unicorn” ingredient for the food industry. A vegan, complete protein derived partially from upcycled ingredients. The proprietary blend of pea protein and upcycled barley-rice protein contains all the essential amino acids for a PDCAAS Score of 1.0. Plus, we've added a clean label masking agent to the blend to make it flavor neutral.

The complete plant protein blend has applications in sports nutrition and functional food categories, specifically food bars, RTD beverages and protein powders.

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### About Upcycled Ingredients

Our proprietary protein blend uses barley-rice protein from EverGrain, which repurposes barley ingredients that were previously destined for non-food uses. By using upcycled ingredients, this protein solution reduces food waste and creates a more sustainable food supply. Depending on the level of the protein blend used in a product, it may qualify as an upcycled food.

### About SolvPro®

Osage Food Products recently launched its SolvPro® service to help product developers solve protein challenges when formulating added protein products. Our team of protein experts help food and beverage manufacturers customize, design and source multi-component protein systems that meet your products' specific needs.



[www.osagefood.com](http://www.osagefood.com)  
636-390-9477

## Product Specifications

# SolvPro® 009 PPB – Complete Plant Protein Blend

**Item Number:** OFP009PPB

## Physical Characteristics

### Flavor and Odor:

Clean/bland flavor

### Appearance:

Free flowing powder of uniform texture that is cream to light tan in color.

### Ingredient Statement:

Pea Protein, Barley-Rice Protein, Natural Flavors

### Packaging:

Available in 25 kg kraft-paper bag with an attached polyethylene lining.

### Shelf Life:

2 years from date of manufacture when stored at relative humidity below 65% in a clean, cool, dry, odor-free environment below 77°F.

### Gluten Status:

Product contains barley gluten but no wheat derivatives

### Natural Status:

Product is natural as defined in 21 CFR 101.22 (a)(3), and it does not contain any artificial substances.

### Country of Origin:

Product of USA

### GMO Status:

Does not contain GMOs

### Certifications:

Kosher Certified (OU)

### Vegan Status:

Product does not contain any ingredients derived from animal sources.



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## Basic Components

Calories (kcal)	379.4 Kcal
Calories from	
Saturated Fat (kcal)	9.00 Kcal
Fat (g)	5.60 g
Saturated Fat (g)	0.96 g
Trans Fatty Acid (g)	-- g
Cholesterol (mg)	-- mg
Carbohydrates (g)	4.60 g
Dietary Fiber (2016) (g)	5.40 g
Moisture (g)	5.42 g
Insoluble Fiber (2016) (g)	3.00 g
Total Sugars (g)	0.25 g
<b>Protein (g)</b>	<b>81.00 g</b>

## Amino Acids\* Amount per 100g

Alanine (g)	3.75 g
Arginine (g)	5.91 g
Aspartic Acid (g)	8.16 g
Cystine (g)	1.11 g
Glutamic Acid (g)	16.43 g
Glycine (g)	3.40 g
Histidine (g)	2.01 g
Isoleucine (g)	3.91 g
Leucine (g)	6.86 g
Lysine (g)	4.97 g
Methionine (g)	1.26 g
Phenylalanine (g)	5.06 g
Proline (g)	5.53 g
Serine (g)	4.00 g
Threonine (g)	3.13 g
Tryptophan (g)	0.95 g
Tyrosine (g)	3.63 g
Valine (g)	4.58 g

\*The amino acid profile has been calculated for this blended system and satisfies the requirements to have a PDCAAS (protein digestibility - corrected amino acid score) of 1.0 with an appropriate amount of all the essential amino acid per serving. The reference requirements for amino acids as determined by the FAO (2013) Older child, adolescent and adults (value taken for 3 to 10 year old).