

TECHNICAL DATA SHEET
Wellmonk[®]
PeaPro[™] 80
PREMIUM PEA PROTEIN ISOLATE

PRODUCT CODE: WM-PP80-001

*Pure Plant Protein.
Infinite Possibilities.*

**80%
PROTEIN**
(DRY BASIS)

ABOUT PEAPRO[™] 80

Wellmonk[®] PeaPro[™] 80 is a premium pea protein isolate manufactured from carefully selected non-GMO yellow peas using advanced separation technology. With a minimum protein content of 80% (dry basis), it delivers exceptional functionality, neutral taste, smooth mouthfeel and 100% digestibility – making it ideal for nutritional beverages, sports nutrition, bakery, plant-based dairy, meat analogues and a wide range of functional food applications.

KEY BENEFITS



WIDE RANGE OF APPLICATIONS

NUTRITIONAL BEVERAGES

- Protein Powders
- RTD Protein Drinks
- Meal Replacement
- Smoothies
- Functional Beverages
- Clinical Nutrition

USAGE: 5 – 30%

SPORTS NUTRITION

- Vegan Protein Powders
- Protein Blends
- Recovery Nutrition
- Muscle Building
- Protein Sachets
- Mass Gainers
- BCAA Blends

PLANT-BASED DAIRY

- Plant-Based Milk
- Yogurt & Cultured Products
- Vegan Cheese
- Creamers
- Ice Cream Mixes
- Dairy-Free Desserts

NUTRITION BARS

- Protein Bars
- Granola Bars
- Energy Bars
- Keto Bars
- Functional Snack Bars

BAKERY APPLICATIONS

- High Protein Cookies
- Protein Biscuits
- Brownies & Muffins
- Bread Fortification
- Pizza Base
- Pancake, Waffle Mixes

HIGH PROTEIN FOODS

- Pasta
- Noodles
- Vermicelli
- Macaroni
- Instant Meals

PLANT-BASED MEAT

- Burger Patties
- Nuggets
- Kebabs
- Sausages
- Minced Meat Analogues
- Dumpling Fillings

BREAKFAST NUTRITION

- Breakfast Cereals
- Granola
- Muesli
- Protein Oats
- Porridge

FROZEN DESSERTS

- Protein Ice Cream
- Frozen Yogurt
- Vegan Gelato
- Dairy-Free Desserts

INSTANT FOODS

- Soup Mixes
- Instant Upma
- Protein Khichdi
- Poha
- Instant Curry Mixes
- Functional Ready Meals

CLINICAL & MEDICAL NUTRITION

- Clinical Nutrition
- Elderly Nutrition
- Tube Feeding Formulations
- Recovery Nutrition

TECHNICAL SPECIFICATIONS

Parameter	Specification	Test Method
Appearance	Creamish crystalline powder, hygroscopic	Visual
Crude Protein on Dry Basis (N x 6.25)	NLT 80%	AOAC 920.87
Moisture	NMT 8.0%	AOAC 925.10
Fat	NMT 8.0%	AOAC 989.05
Ash Content	NMT 8.0%	AOAC 942.05
Carbohydrates	NMT 6.0%	AOAC/FSSAI 2016
pH (10% solution)	7.0 – 9.0	AOAC/FSSAI 2016
Bulk Density (BD)	0.15 – 0.25 g/ml	ISO 11648-3:2001

FUNCTIONAL PROPERTIES (at pH 7)

Functionality	How to Read	Benchmark Pea Protein	Wellmonk [®] PeaPro [™] 80	Benchmark Comparison
Solubility (pH 7)	Higher is better	30%	45 – 60%	Minimum 1.5x higher than market Pea proteins.
Foaming Capacity	Higher is better	89 ml	121 ml	Far superior to any other plant protein in the market.
Emulsifying Capacity (droplet size)	Lower is better	26 µm	4.2 µm	Far superior to any other plant protein in the market. Closer to Caseinate (1.6 µm).
Water Holding Capacity	Higher is better	2.9 g/g	2.6 – 3.0 g/g	Comparable to market pea, soy and fava bean proteins.
Oil Holding Capacity	Higher is better	1.7 g/g	3.0 g/g	Far superior to any other plant protein in the market.
Least Gelling Concentration	Lower is better	12%	10%	PeaPro [™] offers better gelation properties compared to most other plant proteins.
Flowability (Hausner)	Lower is better	~1.20	~1.10 – 1.20	Indicates good powder flow, easy to handle
Viscosity		Newtonian behaviour	Stable viscosity across shear rates	Stable viscosity across shear rates

NUTRITIONAL INFORMATION
(Per 100 g)

Nutrient	Amount	Unit	Nutrient	Amount	Unit
Energy	416.00 / 1740.00	kcal / kJ	Magnesium	235.80	mg
Protein	80.00	g	Calcium	119.00	mg
Fat	8.00	g	Potassium	1731.80	mg
Carbohydrate	6.00	g	Copper	1.74	mg
Sodium	13.70	mg	Zinc	6.10	mg
Iron	16.30	mg	Selenium	131.00	µg

AMINO ACID PROFILE (g/100g Protein)

ESSENTIAL AMINO ACIDS (EAA)		NON-ESSENTIAL AMINO ACIDS (Non-EAA)	
Amino Acid	Amount	Amino Acid	Amount
Isoleucine (BCAA)	4.40	Proline	4.25
Leucine (BCAA)	7.90	Glycine	4.21
Valine (BCAA)	4.90	Alanine	4.43
Histidine	2.60	Arginine	9.03
Lysine	7.50	Hydroxy Proline	0.00
Methionine + Cysteine	1.90	Aspartic Acid	12.18
Phenylalanine + Tyrosine	8.90	Serine	5.26
Threonine	3.86	Glutamic Acid	17.81
Tryptophan	1.02		
TOTAL BCAA (Isoleucine, Leucine, Valine): 17.20 g/100g		TOTAL EAA (Including BCAA): 42.98 g/100g	

REGULATORY & QUALITY COMPLIANCE



Meets EU & International standards for heavy metals, pesticides and microbiological safety.

CERTIFICATIONS



FSSAI COMPLIANT

PACKAGING OPTIONS



STORAGE & SHELF LIFE

