



VITAL TIMES

Breaking News from Vital Greens

'Vital Greens' is happy to announce the addition of Phyto Protein to our formula. This new certified gluten free, lactose free and low-allergy GMO-free protein is derived from Canadian golden peas. It has the most balanced amino acid profile of any plant based protein and the highest bio-availability. Phyto Protein will be much more acceptable to our vegan and

vegetarian customers than our current micronised whey protein isolate.

The protein bio-availability of Phyto Protein is ensured by a patented enzyme process that denatures the activity of a trypsin inhibitor, normally present in legumes, which interferes with protein metabolism.

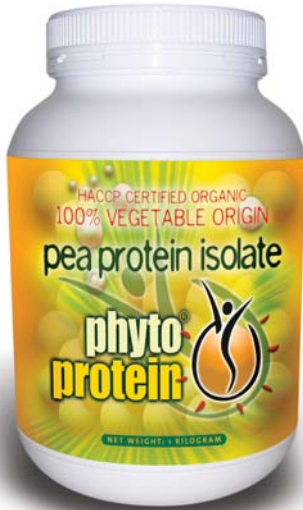
Consisting of 86% protein and less than 1% fat, Phyto Protein has high dietary fibre and its carbohydrate level is close to zero. The smooth texture and excellent solubility

actually improves the taste of the whole 'Vital Greens' formula!

The amino acid profiles and the vegetarian proteolytic digestive enzymes of the other ingredients in 'Vital Greens' further enhances efficient assimilation of amino acids making them ideal companions.



PHYTO PROTEIN FACT SHEET



**Free from additives,
Free from gluten,
Free from lactose**

- Gluten free
- Low Allergenic
- HACCP Certified Organic
- Low in Anti-Nutritional Factors
- High Tolerance
- 100% Vegetable Origin
- Balanced Amino Acid profile
- Not deposited in the body as fat
- GM free
- Lactose free
- Rich in valuable amino acids for weight control, sports or medicinal purposes
- High Digestibility (98%)
- Amino Acid Score 0.9 (norm FAO 1991)

HACCP certified by SGS International Certification Services
SHELF-LIFE 2 years in original sealed bag under dry conditions (max 30°C, max 60% R.H.)

SPECIFICATIONS

Pisane® is a range of **pea protein isolates** extracted from yellow peas by a natural process.

Pisane® H9 is suitable for a number of applications such as beverages, and has a bland flavour profile.

NUTRITIONAL INFORMATION: Average amino acid content (g/100 g proteins)

Glycine 4.1	Phenylalanine 5.6
Alanine 4.4	Tryptophan 1.0
Valine 5.2	Proline 4.4
Leucine 8.7	Methionine 1.2
Isoleucine 4.7	Cysteine 1.1
Serine 5.6	Lysine 7.7
Threonine 3.9	Histidine 2.7
Tyrosine 3.9	Arginine 9.1
Aspartic Acid 12.5	Glutamic Acid 20.3

NUTRITION LABELLING (values expressed per 100g commercial product)

Proteins (N x 6.25) 85.5 g • Fat (PE extract) 1.0 g • Carbohydrates 0.1 g (2.3 g) – including dietary fibre Caloric Value 351 kcal 1467 kJ

OTHER CHARACTERISTICS

pH (10% in water) ~7.5 / Heavy metals (Pb, Cd, Hg, As) max 0.5 ppm / Taste neutral / Aflatoxines <1 ppm

ADDITIONAL CERTIFICATION **KOSHER** (Passover on demand) **HALAL** (on demand) notified ingredient

Does not contain GMO's or GMO-derived components. Not produced using GMO based technology (not concerned by EU 1829/2003 and EU 1830/2003)

ALLERGENS Free from common allergens: cereals with gluten, crustaceans, eggs, fish, peanuts, soya, milk, nuts, celery, mustard, sesame seeds, sulphur dioxide at concentrations of more than 10 ppm (conforms to EC legal requirements for Allergen Labelling 2003/89/EC)

