

**Specification Sheet 1 of 2 : *PROTEIPAQ 1 PLUS* Orthomolecular Nutritional and  
Therapeutic Supplemental**

(Date : August, 2011)

**Description**

A long-life Ready-to-Use high energy, **complete protein-based orthomolecular supplement**, which is a composite derived from a blend of enzyme-inactivated soya flour; an Omega 6 vegetable oil; **supplementary amino acids**; supplementary vitamins and minerals and sensory additions which provides for a taste profile paralleling that of peanut butter.

The standard product is flavoured with orange oil; however, an unflavoured variant is also available on request.

This product shall become available towards the end of 2011.

**Packaging**

This product is presented as a flowable paste in terms of a Ready-to-Use Food (RUF), and is packed into 74 micron polyethylene/metalocene sachets which incorporate oxygen and light barriers (EEC Directive: Not a hazardous substance – requires no labelling in accordance with any directives or national laws).

The sachet volume is 50 grams, which facilitates accurate dosing over all age groups, with reduced wastage.

Thus packed, the product requires no refrigeration or any other specialized handling consideration and is ideally suited to any field application; they are also extremely robust and can withstand considerable mishandling without rupture.

Shipping packs consist of cardboard cartons measuring ca. 320 x 165 x 165 mm containing 100 x 50g sachets = 5 kgs net.

Flavoured variants have a shelf-life of 12 months; unflavoured variants 3 years.

**Nutritional Potentials**

Proteipaq 1 PLUS is formulated to provide enhanced orthomolecular nutritional assistance to anyone exposed to protein or essential fatty acid (EFA) deprivation or shortfall; and for anyone whose goal is uninterrupted daily protein and EFA sufficiency, coupled with exceptionally high energy values.

In the medical environment, the product enhances vital nutritional support to diverse therapies and procedures; allowing for rapid and reduced recovery times in the treatment of medical malaise.

1. Protein: the protein profile is such that this product delivers **in excess of 100%** of the eight essential amino acids per 100 grams in accordance with the 1985 FAO/WHO Daily Recommended Guidelines (DRG) in all age groups. Proteipaq 1 PLUS is supplemented with vitamins and minerals which specifically optimize protein nutrition.
2. Essential Fatty Acids (EFA): the product provides essential linoleic, linolenic and arachidonic EFA nutrition in addition to lecithin, which provides choline and inositol.
3. Sugars: in view of the high Glycemic Index (GI) of sucrose (GI=59), the sugar added to Proteipaq 1 PLUS consists of fructose, which has a GI of 20. In addition to the low GI, the high dietary fibre content of the product, plays a significant role in the reduced overall GL (Glycemic Load) of all Proteipaq products.

**Ingredient Profile**

Enzyme-inactivated soya flour; sunflower oil; fructose; **l-lysine; l-threonine; l-methionine; l-valine**; anti-caking agent (E572) and an EU & US FDA approved flavourant.



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Technical Information: Proteipaq Supplementals @ [www.proteipaq.com](http://www.proteipaq.com)

# Specification Sheet 2 of 2 : **PROTEIPAQ 1 PLUS** Orthomolecular Nutrition and Therapeutic Supplemental

Date : August 2011

## Nutritional Profile – Typical Values : Estimated by calculation as A.O.A.C. Tests not yet available (Expressed per 100 grams)

Energy	:	2405 kJ
Complete Protein	:	21,7 g
Carbohydrate	:	24,1 g of which
Dietary fibre	:	6,3 g
Total Fat	:	44,7 g of which
poly-unsaturated	:	29,2 g
mono-unsaturated	:	10,2 g
saturated	:	5,1 g
transfatty acids	:	0,0 g
Total Sugar	:	8,2 g
Moisture	:	1,5 g
Sodium	:	32,5 g

## Microbiological Profile – Test data to follow – refer to Proteipaq 1 Specifications

Total Plate Count  
Yeasts and Moulds  
Coliforms  
Salmonella  
Clostridia  
E.coli  
Staphylococcus

## Principal Vitamin and Mineral Presence – Typical Values

(Expressed per 100 grams)

Biotin	:	19 ug	=	63 % of RDA
Folic Acid	:	336 ug	=	84 % of RDA
Inositol (from Lecithin)	:	104 mg	=	100% of RDA
Choline (from Lecithin)	:	195 mg	=	41 % of RDA
Magnesium	:	72 mg	=	24 % of RDA
Zinc	:	7 mg	=	48 % of RDA
Thiamine (Vitamin B1)	:	2,28 mg	=	190 % of RDA
Riboflavin (Vitamin B2)	:	2,14 mg	=	165 % of RDA
Pyridoxine (Vitamin B6)	:	5 mg	=	100 % of RDA
Cobalamin (Vitamin B12)	:	3 ug	=	125 % of RDA
Molybdenum	:	300 ug	=	100% of RDA
Manganese	:	2,83 mg	=	94 % of RDA
Chromium	:	200 ug	=	100 % of RDA



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