

INPRO 90 HP

High Protein Whey Protein Isolate

□ **PRODUCT DESCRIPTION:**

INPRO 90 HP is a whey protein isolate manufactured using gentle cross-flow microfiltration and ultrafiltration techniques. With virtually no lactose and a high protein content, this product is an excellent source of natural protein for use in a variety of sports, health and fitness products, and clinical supplements.

□ **PHYSICAL PROPERTIES:**

Flavour/Odour	Clean and bland
Colour	White to light cream
Scorched Particle	25 g shall not exceed the ADMI scorched particle chart A disk

□ **ANALYTICAL PROPERTIES:**

Protein (N x 6.38) Dry Basis	94.0% Min.
Lactose	0.5% Max.
Moisture	5.0% Max.
Fat	1.0% Max.
Ash	3.0% Max.
pH (10% solution)	5.8 – 6.8

□ **MICROBIOLOGICAL STANDARDS:**

Standard Plate Count	10,000 CFU/g Max.
Enterobacteriaceae	10 CFU/g Max.
E. coli	Absent in 1 g
Yeast and Mold	50 CFU/g Max.
Salmonella	Absent in 50 g
<i>Staphylococcus aureus</i>	10 CFU/g Max.

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□ **TYPICAL AMINO ACID PROFILE:**

Amino Acid	g/100g protein
Alanine (Ala)	5.24
Arginine (Arg)	1.80
Aspartic Acid (Asp)	10.82
Cystine (Cys)	2.60
Glutamic Acid (Glu)	16.99
Glycine (Gly)	1.92
Histidine (His)	1.50
Isoleucine (Ile)	5.87
Leucine (Leu)	10.38
Lysine (Lys)	9.13
Methionine (Met)	2.53
Phenylalanine (Phe)	3.03
Proline (Pro)	6.24
Serine (Ser)	4.89
Threonine (Thr)	7.11
Tryptophan (Trp)	1.66
Tyrosine (Tyr)	3.21
Valine (Val)	<u>5.07</u>
	100.00

□ **TYPICAL MINERAL PROFILE:**

Calcium	491.0 mg/100g
Iron	1.4 mg/100g
Magnesium	72.4 mg/100g
Manganese	0.4 ppm
Phosphorous	237.0 mg/100g
Potassium	528.0 mg/100g
Selenium	<0.4 mg/100g
Sodium	107.0 mg/100g
Zinc	0.2 mg/100g

□ **PACKAGING AND STORAGE:**

- 20 Kg (44.1 Lbs.) multi-walled paper bag with a sealed polyethylene liner.
- Extended storage should be 15°C or lower. A cool, dry, and clean storage area is recommended.

Non Warranty: Information provided is given in good faith. However, no warranty, guarantee or freedom from patent infringement is implied or inferred. Vitalus's products are sold with the understanding that the purchaser will conduct tests to determine the suitability of these products for their particular use.

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