

## INPRO 90 HP

### High Protein Agglomerated Whey Protein Isolate

#### □ PRODUCT DESCRIPTION:

INPRO 90 HP is a whey protein isolate manufactured using gentle cross-flow microfiltration and ultrafiltration techniques followed by an agglomeration process. 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	93.0% Min.
Lactose	0.5% Max.
Moisture	5.0% Max.
Fat	1.5% Max.
Ash	3.5% Max.
pH (10% solution)	5.8 – 6.8

#### □ MICROBIOLOGICAL STANDARDS:

Standard Plate Count	10,000 CFU/g Max.
Coliform	10 CFU/g Max.
Yeast and Mold	100 CFU/g Max.
Salmonella	Negative* in 25 g
<i>Staphylococcus aureus</i>	Negative* in 11 g

\*Not detected in this test

#### □ 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	483.6 mg/100g
Iron	1.4 mg/100g
Magnesium	71.3 mg/100g
Manganese	0.4 ppm
Phosphorous	233.4 mg/100g
Potassium	520.0 mg/100g
Selenium	<0.4 mg/100g
Sodium	105.4 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.

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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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