

INPRO 80 High Gel

80% Whey Protein Concentrate

□ **PRODUCT DESCRIPTION:**

INPRO 80 High Gel is a whey protein concentrate manufactured from acid whey using gentle ultra-filtration technology. This provides a functional product with gelling characteristics suitable for a variety of food applications, such as meat and seafood analogs.

□ **PHYSICAL PROPERTIES:**

Flavor/Odor	Clean and bland
Color	White to light cream
Scorched Particle	25 g shall not exceed the ADMI scorched particle chart B disk

□ **ANALYTICAL PROPERTIES:**

Protein (N x 6.38) Dry Basis	80.0 ± 2%
Lactose	6.0 ± 2%
Moisture	6.0% Max.
Fat	4.0% Max.
Ash	6.0% Max.
pH (10% solution)	6.5 – 8.0

□ **MICROBIOLOGICAL STANDARDS:**

Standard Plate Count	30,000 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

Revised: April 4, 2005

□ **TYPICAL AMINO ACID PROFILE:**

Amino Acid	g/100g protein
Alanine (Ala)	5.09
Arginine (Arg)	7.72
Aspartic Acid (Asp)	9.90
Cystine (Cys)	2.98
Glutamic Acid (Glu)	14.79
Glycine (Gly)	1.97
Histidine (His)	2.92
Isoleucine (Ile)	3.34
Leucine (Leu)	10.31
Lysine (Lys)	9.41
Methionine (Met)	2.70
Phenylalanine (Phe)	3.89
Proline (Pro)	5.25
Serine (Ser)	4.45
Threonine (Thr)	5.20
Tryptophan (Trp)	1.20
Tyrosine (Tyr)	4.45
Valine (Val)	4.40
	100.0

□ **TYPICAL MINERAL PROFILE:**

Calcium	270.0 mg/100g
Iron	0.5 mg/100g
Magnesium	31.5 mg/100g
Manganese	<0.1 ppm
Phosphorous	350.0 mg/100g
Potassium	188.0 mg/100g
Selenium	<0.2 mg/100g
Sodium	1,600.0 mg/100g
Zinc	1.3 mg/100g

□ **PACKAGING AND STORAGE:**

- 15 Kg (33 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.