



PRONATIV® 95 LL INSTANT

Native Whey Protein Isolate Low Lactose

Description

PRONATIV® 95 LL Instant is a native whey protein isolate obtained by membrane filtration. Its low level of lactose meets the requirements of various nutritional formulas. Thanks to its instant quality PRONATIV® 95 LL is easy to rehydrate.

COMPOSITION (/ 100 g powder)		
Moisture (%)	max	6.0
Protein, as is (N*6.38) (%)	min	89.0
Protein, dry basis (N*6.38) (%)	min	94.0
Fat (%)	max	1.9
<i>of which Lecithin added (%)</i>	<i>max</i>	<i>1.5</i>
Carbohydrates (%)	max	3.0
<i>of which Lactose (%)</i>	<i>max</i>	<i>0.2</i>
Minerals (%)	max	3.0

Applications

Dairy ingredient particularly adapted to sports nutrition, dietetics and clinical nutrition requiring low-lactose formulas.

Packaging

25 kg bags, multiwall kraft paper bag with inner polyethylene bag liner

Shelf Life and Storage

18 months in non-opened bag in a cool and dry place away from all sources of odours and tastes

Suggested Labelling

Milk proteins, emulsifier : soy lecithin, lactase*

** active only in the presence of substrate (lactose)*

SENSORIAL
Colour: cream
Taste and Odour: neutral

CHEMICAL AND PHYSICAL

Nitrates* (ppm)	max	50
Phosphatase*	Negative	
Scorched particles ADPI (/25 g)	Disc A	
pH*	6.7 ± 0.3	
Bulk density*	0.35 ± 0.05 g/ml	
Wettability	Max 20 s at 25°C	
* Indicative values		

BACTERIOLOGICAL (CFU*)

Total Plate Count	/ 1 g	< 10 000
Yeasts & Moulds	/ 1 g	< 50
Coliforms	/ 1 g	< 10
Salmonella	/ 375 g	None
Staphylococcus coag. + (including S. aureus)	/ 1 g	None
Listeria	/ 25 g	None
<i>Contact us for other analysis</i>		
<i>Analysis according to standard methods (IDF or ISO)</i>		
<i>* Colony-forming unit</i>		

NUTRITIONAL VALUES (calculated)

Energy Value (/ 100 g) : 1600 kJ / 380 kcal	
Nutritional Information *	
Carbohydrates	3.0 g
Saturated Fatty Acids	0.4 g
Sodium	85 mg
<i>*Theoretical values/100 g</i>	

MINERALS (mg/100g powder)*

Calcium	300
Magnesium	53
Phosphorus	190
Potassium	360
Iron	0.6
Chlorides	180
<i>*Indicative values</i>	



AMINO ACIDS (g/100g protein)*					
Aspartic acid	12.3	Histidine	2.2	Proline	5.1
Glutamic acid	19.1	Isoleucine	6.0	Serine	4.8
Alanine	5.2	Leucine	13.1	Threonine	5.5
Arginine	2.8	Lysine	10.6	Tryptophane	2.5
Cystine	3.1	Methionine	2.5	Tyrosine	4.0
Glycine	2.0	Phenylalanine	4.0	Valine	5.8
*Indicative values					

STATEMENT / ADDITIONAL INFORMATION / FOOD SAFETY

GMO

Our ingredients contain no genetically modified organisms and as such are not concerned by a labelling requirement (Regulation 1829/2003/EC and 1830/2003/EC and subsequent amendments).

Various contaminants

According to our monitoring plan, Pronativ[®] meets the European standards or at least Codex recommendations, in terms of: heavy metals, pesticides, aflatoxins, dioxins, furans, PCBs (polychlorinated biphenyls), melamine, radioactivity... Our powders do not contain antibiotics. They underwent neither irradiation nor ionization.

Heat treatment

According to regulation, the heat treatment of milk is at least 72 ° C/15 sec (or temperature / time equivalent).

Packaging compliance

The materials used to package our ingredients comply with European regulation EC 1935/2004 (and subsequent amendments) for materials and articles intended to be in contact with foodstuffs.

Deconditioning/Handling

We inform you that for your operations of transfer or deconditioning, and in case of accumulation of dust or powder, the Minimum Ignition Energy of our powders is between 100 and 1000 mJ and the minimum ignition or incandescence temperature (by 5 mm layer) is at least 300°C.

The explosion characteristics are given by a Kmax between 30 to 100 bar.m/s and pressure Pmax between 6.0 and 7.5 bars. Powder explosibility is between 20 and 80 g/m³. Powder resistivity is between 2.10⁹ and 3.10¹³ Ohm*m.

For particular analysis or specific regulations, please contact us.