

PROTARMOR 800

Description:

Whey protein concentrate

MAIN FEATURES

High nutritional value
High amount of BCAA
Excellent sensoric profile

Physical characteristics:

Aspect	Powder
Color	White
Taste	Typical
Scorched particles ADMI	A — B
Solubility ADMI	99

Chemical analysis:

Proteins on dry (TNx6,38)	80 % min	81%
Moisture	6 % max	5
Ash	4.5 % max	3.5%
Fat	4.5 % max	3.5
Lactose	11 %max	9
pH	> 6	6.5

Microbiological analysis:

Standard plate count	30 000 /g max
Enterobacteriaceae	< 10/g
Yeasts + Moulds	100 /g max
Coagulase Positive Staphylococci	Negative /0,1 g
Salmonella	Negative /125 g

Packaging:

20 kg multiwall paper bags with polyethylen liner.

Storage:

To be stored indoors in a cool (about 20°C) and dry place (RHE < 70 %), for 12 months preservation from date of manufacture

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TYPICAL NUTRITIONAL COMPOSITION (FOR 100 G OF POWDER)

Nutritional composition		Minerals (mg/100g Powder)	
Protein (TN x 6,38)	77	Sodium	
Total carbohydrates	9	Potassium	330
- Dietary fibers	0	Calcium	400
- Sugars	9	Magnesium	45
Total FAT	3,5	Chloride	400
- Sarurated fat	1.7	Iron	0.8
- Polyinsaturated fat	0.13	Phosphorus	300
- Monounsaturated fat	0.77		
- Cholesterol	146 mg		
Total calories	375.5 Kcal		
- Calories from fat	31.5 Kcal		

Typical Protein composition		Typical Amino Acid Profile G/100g Protein			
Total Protein		ILE	5,8	ALA	5,2
- Betalactoglobulin	63%	LEU	11,4	ARG	3
- Alphasactalbumin	11%	VAL	5,5	ASP	11,2
- IgG	4%	Total BCAA :	22,6	GLU	17,2
- BSA	3%	LYS	9,4	GLY	2,1
- GMP	3%	THR	6,1	HIS	1,9
- Lactoferrin	1%	TRP	2,0	PRO	5,2
- Others	15%	MET	2,1	SER	5
		CYS	2,5		
		PHE	3,6		
		TYR	3,5		
		Total ess AA	51,8		

Chemical scores (FAO/WHO/1990) adult:113, child: 98

PROTEINS main Benefits :

Betalactoglobulin : one of the richest **sources of BCAA (24.8%)**

Alphasactalbumin : source of tryptophan **precursor of serotonin**, important in stress and sleep regulation

Immunoglobulins : shown to **help stressed immune system**

Bovine serum albumin : contains an important **antioxydant precursor**

Lactoferrin : modulates iron absorption / interacts with the **immune and antiinflammatory system**

GlycoMacroPeptides (GMP) : **bifidus growth factor** , antiviral/bacteria , appetite suppression

Others :include **Lactoperoxidase, Proteose peptones, lysozymes**, with bacteriostatic activity.

APPLICATIONS AND USAGES

The excellent nutritive value makes PROTARMOR 80 an ideal protein source for all your nutritional application Nutritional dry mix Dietetics products ...

Here are three recipies using PROTARMOR 80

	WEIGHT GAIN BARS	MEAL REPLACEMENT
Protarmor 80	26,4 g	61%
Proteins	20.3 g	47%
Carbohydrates	46.8 g (glucose, fructose)	35,6 %
Lipids	16.9 g (hazelnuts, cocoa)	4%
Energy	421 kcal	30 g + 200 ml water: 110 kcal