

PROTARMOR 80

Description:

Whey protein concentrate

MAIN FEATURES

Special attention has been taken in the choice and process of a selected whey to get a **particular high content of bioactive proteins:**
20% alphalactalbumin ; 10% IgG , 8% BSA , 1(3/0 Lactoferrin (typical values)

Physical characteristics:

Aspect	Powder
Color	Cream
Taste	Franc, neutral
Scorched particles ADMI	A - B
pH	6,5 - 7,5
Gravimetric solubility	98 % min

Chemical analysis:

Proteins (TNx6,38) dry basis	80 % min	81
Moisture	6 % max	5%
Ash	5 % max	3,5 %
Fat	8 % max	5%
Lactose	By difference	4%

Microbiological analysis:

Standard plate count	30 000 /g max	10 000 / g
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 18 months preservation from date of manufacture

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TYPICAL NUTRITIONAL COMPOSITION (FOR 100 G OF POWDER)

Nutritional		Minerals (mg/100g Powder)	
Protein (TN x 6,38)	78	Sodium	850
Total carbohydrates	4	Potassium	250
- Dietary fibers	0	Calcium	250
- Sugars	4	Magnesium	40
Total FAT	5	Chloride	600
- Saturated fat	2.1	Iron	
- Polyunsaturated fat	0.1	Phosphorus	300
- Monounsaturated fat	1.		
- Cholesterol	309 mg/100g		
Total calories	373 Kcal		
- Calories from fat	45 Kcal		

Typical Protein composition		Typical Amino Acid Profile G/100g Protein			
Total Protein		ILE	5,5	ALA	5
- Betalactoglobulin	60%	LEU	12	ARG	2,8
- Alphalactalbumin	20%	VAL	5,5	ASP	10,8
- BSA	8%	Total BCAA :	23	GLU	16,9
- IgG	10	LYS	9,7	GLY	2
- Lactoferrin	1%	THR	5,6	HIS	2
- Others	1 %	TRP	2,2	PRO	5,1
Including: proteose peptones , lactoperoxydase		MET	2,2	SER	5
		CYS	3,1		
		PH	3,7		
		TYR	3,7		
		Total ess AA :	53.2		
		Chemical scores		Fao/Who	1990
		Adult : 117			
		Child : 100			

PROTEINS main Benefits :

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

Alphalactalbumin : 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

Others :include Lactoperoxydase, 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 recipes using PROTARMOR 80

	WEIGHT GAIN BARS	SPORT PROTEIN SUPPLEMENT DRY MIX	MEAL REPLACEMENT
Protarmor 80	26 g	95 0/0	60 %
Proteins	20.3 g	74.1%	47
Carbohydrates	46.8 g (glucose, fructose)	6.6%	35,6 %
Lipids	16.9 g (hazelnuts, cocoa)	6.9%	4
Energy	421 kcal	30 g + 200 ml water : 115,5 kcal	30 g + 200 ml water: 110 kcal