



Last update: 21 Mai 2010

### 1. General requirements

1.1 Product name	Whey Protein Concentrate
1.2 Article number	15100- 15103
1.3 Description	WPC 100%
1.4 Content	Whey protein concentrate*, aroma, cacao (chocolate), xanthangum, colouring (E102 (banana), E129 (strawberry)), sucralose.
1.5 Label	
	*= <i>DESCRIPTION</i> : • A powder which is manufactured from vegetarian sweet cheese whey using <u>Cross-Flow Membrane Filtration</u> . The resulting protein concentrate is subsequently spray-dried. This product provides an excellent source of natural protein for use in a variety of applications.

### 2. Packaging

2.1 Description	Black HDPE tub 7500ml – 127mm lid with handle
2.2 Overpack	Brown box
2.3 Content	2270 gram

### 3. Physical Characteristics

4.1 Colour	
4.2 Odour	
4.3 Consistency	Free flowing powder
4.4 Netto weight	
4.5 Sizes	

### 5. Analysis (per 100 gram)

5.1 Carbohydrates	7,9
5.2 As	
5.3 Fibre	
5.4 Protein	78
5.5 Fat	7
5.6 Energy [kJ   kcal]	1570KJ/ 377Kcal
5.7 Dry matter	
5.8 Moisture	5,4

### 6. Microbiological standards (per 25 gram)

6.1 Clostridium perfringens	< 100.000 kve/g
6.2 Bacillus cereus	< 100.000 kve/g
6.3 Salmonella	Not detected
6.4 Stahylococcus aureus	< 100.000 kve/g

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Authorisation: Mr. P. van Dijk  
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**7. ALBA lijst**

1. Cow milkprotein	+	19. Nut oil	-
2. Lactose	+	20. Peanut	-
3. Egg	-	21. Peanut oil	-
4. Soya-protein	?	22. Sesame seed	-
5. Soya-lecithin (oil)	+	23. Sesame oil	-
6. Gluten	-	24. Glutamate	-
7. Wheat	-	25. Sulphite (E220 t/m E227)	-
8. Rye	-		
9. Beef	-	28.	
10. Pork	-	29.	
11. Chicken	-	30.	
12. Fish	-	31. Coriander	-
13. Crustacea and shellfish	-	32. Celery	-
14. Corn	-	33. Caramel	-
15. Cocoa	+	34. Carrot	-
16.		35. Lupines	-
17. Legume	-	36. Musterd	-
18. Nuts	-		

Allergy information according to the Alba guidelines.

+ The product contains the substance (as ingredient) or may contain the substance (carry-over).

- The product does not contain the substance (according to recipe).

? There is not enough information to mark the substance with a + or -, or the product may contain only traces of the substance.

**Expressed per 100 grams product, as is.**

**8. Amino Acid Profile**

Alanine	5.0 gram	Lysine*	9.6 gram
Arginine	2.1 gram	Methionine*	2.2 gram
Aspartic Acid	11 gram	Phenylalanine*	3.0 gram
Cysteine	2.2 gram	Proline	5.5 gram
Glutamic Acid	18.1 gram	Serine	4.6 gram
Glycine	1.4 gram	Threonine*	6.7 gram
Histidine*	1.7 gram	Tryptophan*	1.4 gram
Isoleucine*	6.4 gram	Tyrosine	2.6 gram
Leucine*	10.6 gram	Valine*	5.9 gram

\* = Essential Amino Acid

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*CONCENTRATION OF PROTEIN FRACTIONS<sup>1</sup>***Fraction % of protein**

Beta Lactoglobulin 40-46%

Alpha Lactalbumin 14-18%

Bovine serum albumin 1-2%

Immunoglobulin G 4-10%

Lactoferrin &lt;1%

Glycomacropeptide 24-28%

*ALLERGEN LIST*

The following allergens are present by direct incorporation due to the nature of the raw material used in the production process:

- Cow's milk protein
- Lactose
- Natural colours (Annato)

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