

Product

Defatted 80% Whey Protein Concentrate

Description

Volactive UltraWhey 80 LF is manufactured from sweet cheese whey, from hard-pressed cheese, which has been processed using a combination of cross-flow ultrafiltration and microfiltration techniques. The resulting protein concentrate is spray-dried. This product provides an excellent source of natural protein for use in a variety of applications.

Typical Mineral Profile

• Sodium (Na):	0.40%
• Potassium (K):	0.72%
• Calcium (Ca):	0.42%
• Phosphorous (P):	0.30%
• Magnesium (Mg):	0.06%
• Chloride (Cl):	0.10%

Heavy Metals

• Aluminium (Al):	<5.0 ppm
• Arsenic (As):	<0.25 ppm
• Cadmium (Cd):	<0.1 ppm
• Chromium (Cr):	<0.25 ppm
• Copper (Cu):	<20.0 ppm
• Iron (Fe):	<20.0 ppm
• Lead (Pb):	<0.25 ppm
• Manganese (Mn):	<1.0 ppm
• Mercury (Hg):	<0.05 ppm
• Molybdenum (Mo):	<0.25 ppm
• Selenium (Se):	<0.25 ppm
• Tin (Sn):	<0.5 ppm
• Titanium (Ti):	<10.0 ppm
• Zinc (Zn):	<20.0 ppm

Concentration of Protein Fractions¹

<u>Fraction</u>	<u>% of protein</u>
Beta Lactoglobulin	43-48%
Alpha Lactalbumin	14-18%
Bovine serum albumin	1-2%
Immunoglobulin G	1-3%
Lactoferrin	<1%
Glycomacropeptide	24-28%

¹ As measured according to the method of Elgar et al., 2000
 Figures stated are part of ongoing work and are intended as an indication only

Typical Amino Acid Profile (% of protein)

• Alanine	5.0
• Arginine	2.1
• Aspartic acid	11.0
• Cystine	2.2
• Glutamic Acid	18.1
• Glycine	1.4
• Histidine	1.7
• Isoleucine*	6.4
• Leucine*	10.6
• Lysine	9.6
• Methionine	2.2
• Phenylalanine	3.0
• Proline	5.5
• Serine	4.6
• Threonine	6.7
• Tryptophan	1.4
• Tyrosine	2.6
• Valine*	5.9

* = BCAA

Nutritional Information²

	<u>Typical Values</u> <u>per 100 g powder</u>
Energy	1549 kJ/362 kcal
Protein (Nx6.25)	79.0 g
Carbohydrate	11.0 g
of which sugars	11.0 g
Fat	0.5 g
of which saturates	0.3g
Sodium	0.4g

²Typical values calculated as an indication only

For further information contact

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Allergen/Intolerance Information

This statement indicates the presence or cross contamination risk of the potential allergen components as listed in Commission Directive 2003/89EC Annex IIIa*. If a component is present the details are provided in the subsequent column. If the component is absent in the product but there is a risk of contamination in the ingredient, or in the supply chain, details of the risk(s) involved is indicated in the 'Cross contamination risk' column using the letters in the key below. The source of the risk is also provided in the 'details' column.

- A) Indicated in supplier specification
- B) Bulk transport
- C) Storage of materials with other allergenic ingredients
- D) Handled on the same line as other allergenic ingredients
- E) Handled on the same site as other allergenic ingredients
- N) No risk

Mandatory Allergens*	Absent / Present	Details	Cross contamination risk
Cereals containing gluten/Derivatives	Absent	Wheat gluten	E
Shellfish/Crustaceans/Derivatives	Absent		N
Egg/Derivatives	Absent		N
Fish/Seafood/Derivatives	Absent		N
Peanuts/Derivatives	Absent		N
Soybeans/Derivatives	Absent	Soy lecithin (E322) Soy protein concentrate	C, D, E E
Milk/Derivatives	Present	Whey from milk	A
Nuts/Derivatives	Absent		N
Celery/Derivatives	Absent		N
Mustard/Derivatives	Absent		N
Sesame/Derivatives	Absent		N
Lupins/Derivatives	Absent		N
Molluscs/Derivatives	Absent		N
Sulphur dioxide and sulphites at conc >10ppm expressed as SO ₂	Absent		N

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