

### Product

Whey protein isolate 90%; agglomerated and instantised

### Description

Volactive UltraWhey 90 instant is manufactured from sweet cheese whey using cross-flow membrane filtration. The resulting protein concentrate is spray-dried with concurrent agglomeration and instantised with soya lecithin (E322). This product provides an excellent source of natural protein for use in a variety of food and beverage applications in an easy mixing form.

#### Trace minerals and heavy metals, ppm

Aluminium	<5.00
Arsenic	<0.25
Cadmium	<0.10
Chromium	<1.00
Cobalt	<1.00
Copper	<5.00
Iron	<10.0
Lead	<0.02
Manganese	<1.00
Mercury	<0.05
Molybdenum	<1.00
Selenium	<1.00
Tin	<5.00
Titanium	<10.0
Zinc	<5.00

#### Minerals, mg per 100g powder

Calcium	450
Chloride	50
Magnesium	50
Phosphorus	220
Potassium	400
Sodium	200

#### Vitamins, mg per 100g powder

Choline chlorine	10.0
Niacin (Vit B3)	0.00
Thiamin (Vit B1)	0.10
Riboflavin (Vit B2)	0.15
Pantothenic acid (Vit B5)	0.01
Folic acid (Vit B9)	0.10

#### Amino acid profile, % of total amino acid

Alanine	5.00
Arginine	2.10
Aspartic acid	11.0
Cystine	2.20
Glutamic Acid	18.1
Glycine	1.40
Histidine	1.70
Isoleucine	6.40
Leucine	10.6
Lysine	9.60
Methionine	2.20
Phenylalanine	3.00
Proline	5.50
Serine	4.60
Threonine	6.70
Tryptophan	1.40
Tyrosine	2.60
Valine	5.90

#### Protein fractions, % of protein

Beta-Lactoglobulin	50 - 60
Glycomacropeptide	15 - 20
Alpha-Lactalbumin	15 - 20
Bovine Serum Albumin	1.0 - 2.0
Immunoglobulin G	1.0 - 2.0
Immunoglobulin A	0.1 - 1.0
Lactoferrin	0.1 - 0.5

## Nutritional Information, g per 100 g powder

Energy value, KJ	1,563
Energy value, Kcal	368.0
Protein (Nx6.38; dry matter basis)*	93.0
Carbohydrates	2.50
of which sugars	2.50
Fat	0.30
of which unsaturated	0.25
of which monounsaturated fatty acids	0.15
polyunsaturated fatty acids	0.05
trans fatty acids	<0.05
saturated	0.05
Cholesterol	<0.01
Dietary fibre	0.00

### \*Protein declaration

The protein declaration of a product is strongly linked to the product application, the industry and/or the legal labelling requirements, according to Regulation (EU) No 1169/2011 on the provision of food information to consumers. The table below provides the different ways that the protein content of Volactive UltraWhey 90 instant can be declared.

	Typical	Min
Nx6.38; dry matter basis	93.0	91.0
Nx6.38; as is basis	88.8	86.0
Nx6.25; dry matter basis	91.1	89.1
Nx6.25; as is basis	87.0	84.2

### For further information contact

Volac International Ltd, 50 Fishers Lane, Orwell, Royston, SG8 5QX, Hertfordshire, UK.  
Tel: +44(0)1223 206818; volactiveorders@volac.com; www.volac.com

### Disclaimer

This information presented in this data sheet derives from average values of continuous work and is believed to be accurate and reliable. The information should be used as guidance only, since certain product batches can deviate from the average figures.