

ORGANIC & INSTANT WPC 80

DESCRIPTION

Organic Instant Whey Protein Concentrate 80 is a native, soluble whey protein concentrate manufactured from fresh organic sweet whey by ultrafiltration, concentration and agglomeration process.

APPLICATION

Organic Instant Whey Protein Concentrate 80 can be used in product applications where protein functionality and good wettability is required.

COMPOSITION

Chemical	Units	Typical value
Protein (N x 6.38) as is	%	78,0
Fat (vegetable oil)	%	8,0
Moisture	%	6,0
Lactose	%	8,0
Ash	%	7,0
Ash	%	7,0
pH (10% solution)	-	6,1 - 6,8
Scorched particles (ADPI)		B

Microbiological

Aerobic mesophilic flora	cfu/g	< 30.000
Enterobacteriaceae	cfu/g	<10
Salmonella sp.	cfu/25g	Negative
Coagulase Positive Staphylococci	cfu/g	Negative
Moulds	cfu/g	<50
Yeasts	cfu/g	<50

Organoleptic

Colour & Appearance	Creamy, yellowish, free flowing
Odour and Taste	Clean, characteristic taste

ADDITIONAL INFORMATION

Product code:	OIWPC80-NL
Origin:	The Netherlands
Ingredients:	Whey proteins and traces of milk
Allergens:	Milk proteins (including lactose)
Packing:	More-ply kraft paper bag with poly-inner liner (heat-sealed) at 20 kgs net
Storage:	Cool, dry and odour free – temperature < 25° C., relative humidity below 65%
Shelf life:	Recommend use within 18 months from date of production
HS Code:	0404010

NUTRITIONAL INFORMATION

Per 100 g	Units	Typical value
Energy	KJ - kcal	1528 - 361
Protein	g	76
Carbohydrates	g	7,5
Sodium	mg	180
Fat	g	6,2
Saturated fatty acids	g	4,0
Monosaturated Fatty Acids	g	0,25
Polyunsaturated Fatty Acids	g	0,1
Trans Fatty Acids	g	0,3
Cholesterol	mg	200
Fibre	g	0

COMPOSITION AMINO ACID PROFILE & VITAMINS

Per 100 g protein	Abrev.	Typical value
Threonine	(thr)	7,0
Valine	(val)	6,0
Methionine	(met)	2,1
Isoleucine	(ile)	6,3
Leucine	(leu)	10,5
Phenylalanine	(phe)	3,2
Lysine	(lys)	8,8
Tryptopan	(trp)	1,7

SEMI-ESSENTIAL AND OTHER AMINO ACIDS

Per 100 g protein	Abrev.	Typical value
Aspartic acid	(asp)	11,0
Serine	(ser)	4,7
Glutamine	(glu)	17,7
Proline	(pro)	6,5
Glycine	(gly)	1,9
Alanine	(ala)	5,0
Cystine	(cys)	2,1
Tyrosine	(tyr)	2,9
Histidine	(his)	1,7
Argine	(arg)	2,6

* Please note that above parameters might differ due to seasonal and feeding differences.

FOOD SAFETY & LEGAL REFERENCES

Food safety:	The product has been manufactured under the scope of an ISO 22000 or HACCP Quality Assurance System.
Hygiene Regulation:	EU regulation no. 852/2004/EC & EU regulation no. 853/2004/EC.
Packaging Compliance:	Material used for packing the product fully complies to EU Directive 1935/2004/EC. 94/62/EC and 10/2011/EC.
Allergens:	As per enclosed Allergen statement
GMO status:	The product is considered as a non-GMO product according to the definition stated in EU Directive no 2001/18 and complies with EC Council Directives regarding labelling, registration and traceability of genetically modified food and feed 1829/2003 EC and 1830/2003/EC and all with their later amendments, according to this there is no labelling obligation for the product.
Heat Treatment:	According to regulation the liquid milk / liquid whey has undergone a heat treatment of at least 72 C/ for 15 seconds (or temperature / time equivalent).
Preservation:	Product has NOT been irradiated or treated by any kind of ionization and is free from any kind of preservatives (e.g. Benzoate, Sorbate etc).
Limits for Contaminants, Residues & Pesticides:	The product fully complies with European legislation stipulated in EU Directive 37/2010/EC (Veterinary drugs), 1881/2006/EC (Contaminants), 396/2005/EC (Pesticides), all with their later amendments and relevant Directive in Codex Alimentarius.