

COLLA SWISS

PREMIUM COLLAGEN PEPTIDES REFINED IN SWITZERLAND

COLLATIS™ 2000 PLD Collagen Peptide Porcine

Naturally derived food grade collagen peptides made out of porcine skins. Applied as bio-active components in versatile nutraceutical and OTC-products but also highly nutritional food products. COLLATIS collagen peptides avail of excellent dispersibility and solubility characteristics in combination with most neutral organoleptic properties. The perfect choice for multiple added-value nutraceuticals, dietary, beverages and functional supplements.

Nutritional Benefits

Nutrients	Typical quantity
Protein	92 g
Fat	absent
Fibres	absent
Carbohydrates	absent
Sodium Salt (calc.)	120 mg 0.3 g
Vitamins	absent
Potassium	absent
Calcium	40 mg
Magnesium	absent
Energy value	368 kcal /1564 kJ

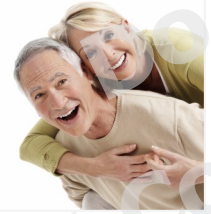
Regulatory Affairs

COLLATIS™ 2000 PLD is complying with major international regulations presently implemented in most countries comprising also the EU regulations (EC) 853/2004 as well as 2073/2005, 629/2008 (in view of contaminants for dietary supplements) and QB2732 standards. Nevertheless it is recommended that its usage and applications are being adapted to meet compliance with national / local regulations.

Amino Acids Composition

*essential amino acids

Amino-acids	Typical G AA/100 g Protein
Alanine	7.8
Arginine	8.2
Asparagine	6.5
Cysteine	Traces
Glutamine	12.6
Glycine	20.6
Histidine	1.1
Hydroxylysine	1.2
Hydroxyproline	11.4
Isoleucine	1.3
Leucine	2.9
Lysine	3.7
Methionine	0.8
Phenylalanine	2.0
Proline	11.2
Serine	3.6
Threonine	1.9
Tryptophane	0.0
Tyrosine	0.6
Valine	2.5



Recommended daily dosage

10 – 15 g
consumed with ample
liquids

Storage and shelf life

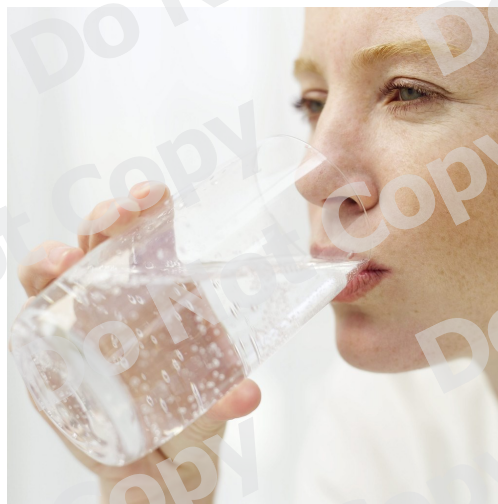
COLLATIS Collagen Peptides will maintain their original properties for ≥ 60 months if kept protected from heat and humidity in unopened original packaging



Packaging

Multiply paper-bags with PE-inliners (15 kg net), loaded on one-way or EUR-pallets and shrinked

www.collaswiss.com



COLLATIS™ 2000 PLD
Collagen Peptide Porcine

Product Specification

Physical and chemical properties	Specifications	Analysis methods references
Typical average Molecular Weight (Mw)	2000 Da	COLLASWISS
Protein Content	≥ 92 %	COLLASWISS
Viscosity (20% at 25°C)	2.2 - 6.0 mPa.s	GME
pH value	5.0 - 6.4	GME
Color	≤ 1.5	COLLASWISS
Clarity	≤ 12	COLLASWISS
Isoelectric point	7.0 - 9.0	COLLASWISS
Loss on drying	≤ 8.0 %	GME
Bulk density	0.25 - 035 g/cm ³	COLLASWISS
Conductivity	≤ 1.0 mS/cm	EP 4.5

Residue limits	Specifications	Analysis methods references
Ash content	≤ 1.5 %	COLLASWISS
Heavy Metals	≤ 50 ppm	USP
Arsenic	≤ 0.3 ppm	GME
Cadmium	≤ 0.5 ppm	GME
Chromium	≤ 2 ppm	GME
Copper	≤ 5 ppm	GME
Mercury	≤ 0.1 ppm	GME
Lead	≤ 1.0 ppm	GME
Zinc	≤ 50 ppm	GME
Sulphur dioxide (SO ₂)	≤ 10 ppm	GME
Peroxide (as H ₂ O ₂)	≤ 10 ppm	COLLASWISS
Fat	absent	COLLASWISS

Microbiological Properties	Specifications	Analysis methods references
Total aerobic count	≤ 1000 CFU/g	GME
E. coli	absence in 10g	GME
Anaerobic sulfite-reducing sp.	≤ 10 CFU/g	GME
Salmonella	absence in 25g	GME
Staphylococcus aureus	absence in 1g	GME