

# Technical Product Data and Specification

## COLLAGEN PEPTIDES Art.-No: 219010

**Description:** Highly purified collagen peptides from porcine skin gelatine, which are specifically neutral in taste and odour. The average molecular weight is approx. 3,000 g/mol. COLLAGEN peptides is clinically proven to stimulate collagen and proteoglycan synthesis in human chondrocytes (cartilage cells). Supplementation of COLLAGEN peptides supports the body's own mechanisms for maintaining healthy joints and optimum mobility.

**Appearance:** Light coloured, agglomerated powder with a bulk density about 300g/l. Average particle size is about 120 µm.

**Solubility:** Easily soluble in cold and warm water and liquids.

COLLAGEN peptides is pure collagen protein with an extremely low mineral content and is free of fat, cholesterol, carbohydrates, and dietary fibres. The product is in compliance with regulation (EC) No. 852/2004 on the hygiene of foodstuffs and with regulation (EC) No. 853/2004, laying down specific hygiene rules for food of animal origin. According to regulation (EC) No. 1829/2003 and regulation (EC) No. 1830/2003 the product has not to be labelled as "GMO".

Chemical and Physical Data	Specification	Test Method
Protein content dry substance *	97 – 100%	Kjeldahl
Dry substance	91,0 - 96,0%	GME (16 h, 105°C)
Ash	≤ 0,8%	USP/GME (550°C)
pH	5,4 - 6,3	20%, RT
Viscosity	3,5 - 5,5 mPa s	20%, 25°C
Peroxides	≤ 10 mg/kg	Ph. Eur./GME
Sulphur dioxide *	≤ 10 mg/kg	Ph. Eur./GME
Arsenic *	≤ 0,7 mg/kg	ICP-OES
Cadmium *	≤ 0,1 mg/kg	ICP-OES
Chromium	≤ 1,0 mg/kg	ICP-OES
Copper *	≤ 2,0 mg/kg	ICP-OES
Mercury *	≤ 0,02 mg/kg	AAS
Lead *	≤ 0,5 mg/kg	ICP-OES
Zinc *	≤ 10 mg/kg	ICP-OES
Microbiological Data	Specification	Test Method
Total Aerob. Microb. Count	≤ 1000 cfu/ g	Ph. Eur./USP
Sulfite re. anaer. spores	< 10 cfu/ g	AFNOR-NF-V59-106
Escherichia coli	0 / 10 g	Ph. Eur./USP mod.
Salmonella	0 / 25 g	ISO 6579

\* The parameter is monitored according to an internal quality programme.

**Shelf Life** Under dry and odourless conditions COLLAGEN peptides can be stored in the unopened original packaging at ambient temperatures (< 30°C) for 5 years without loss of quality.

**Packages** Multi-ply REPA paper bags with PE-liner containing 15 kg net.

This information is based on our present state of knowledge and is intended to provide general information on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale, and our quality assurance system in accordance with ISO 9001 and FSSC 22000.