



PRODUCT TECHNICAL DOSSIER

PEPTAN B 2000 HD (HYDROLYSED COLLAGEN BOVINE)

Product Code:

P16077

Raw Material Full Name:

Peptan B 2000 HD

Protein Content:

>90%

Raw Material Full Botanical/Chemical/Latin/Trade Name/Synonyms:

Bovine Collagen Peptides

This material is Food Grade

CAS Number:

92113-31-0

EC/EINECS Number:

295-635-5

Solubility in Water:

Instant solubility (wetability and dispersibility)

Viscosity:

2.0 - 4.0 mPa.s (20% 25°C)

Particle Size & Percentage Passed Through:

≥ 95% below 425µm (40 mesh)

≤ 15% below 75µm (200 mesh)

Bulk Density:

0.40 – 0.55 g/cm³

pH:

5.0-6.5



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Loss on Drying:
<10%

Colour (6.67%):
<3.5

Clarity :
<10 NTU

Sulfites (as SO₂):
<10ppm

Residue on Ignition:
≤2% (550°C)

Country of Origin:
Europe

Country of Origin of the Manufacture:
Europe

Base Source/Start Material:
Bovine hides

Origin of Product – Synthetic, Plant, Mineral, Animal, Fish or Fermented:
Animal

What is the extraction/processing used? What solvents are used and at what ratio's?
Hydrolyzed collagen is a natural product obtained by partial hydrolysis of collagen derived from connective tissue of animals. After acid treatment, hydrolyzed gelatine is extracted by hot water and processed under good manufacturing practices including filtration, concentration, UHT sterilization and drying in view to obtain a high quality product

Material is:
100%

Compound Ingredients:
None



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Shelf Life from Date of Manufacture:

5 years

Storage Conditions:

Store away from heat and moisture, preferably below 25°C (77°F) and below 65% relative humidity.

Appearance:

Powder

Colour:

White to yellow

Flavour/Taste:

Characteristic

Texture:

Powder

Odour:

Characteristic

Microbiological Test

Total Viable Count:

Max 1,000cfu/g

E.Coli:

Absent in 10g

Salmonella:

Absent in 25g

Anaerobic Sulphite-reducing Bacteria:

Max 10cfu/g

Metals

Ash Content:

Max 2%



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Arsenic:
Max 1ppm

Cadmium:
Max 0.5ppm

Chromium:
Max 10ppm

Copper:
Max 30ppm

Mercury:
Max 0.1ppm

Lead:
Max 3ppm

Zinc:
Max 50ppm

Peroxides:
Max 10ppm

Pharmacopeia Standard Used:
EP & USP

There are no nuts in this recipe and are no nuts on site, however we cannot guarantee that the raw materials entering the site are nut free.



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INTOLERANCE DATA			
		If No please give details	
		NO	Bovine hides
Free from All Animal Products (Beef, Pork, Poultry or other)			
Free from Bovine Products or Derivatives by using hormones to increase milk yield in cows	YES		
Free from Bone Meal	YES		
Free from Peanuts and Peanut Derivatives (including possible cross contamination)	YES		
Free from other Nut and Nut Derivatives	YES		
Free from Nut Derived Oil	YES		
Free from Sesame Seeds and Sesame Seed Derivatives	YES		
Free from Poppy Seeds and Poppy Seed Derivatives	YES		
Free from Sunflower Seeds and Sunflower Seeds Derivatives	YES		
Free from other Seeds and Seed Derivatives	YES		
Free from Milk and Milk Derivatives (including lactose)	YES		
Free from Egg and Egg Derivatives	YES		
Free from Cereals containing Gluten (wheat / rye / oats / barley/ spelt/ kamut or their hybridised strains) and Derivatives	YES		
Free from Soya and Soya Derivatives	YES		
Free from Maize and Maize Derivatives	YES		
Free from Corn and Corn Derivatives	YES		
Free from Lupin and Lupin Derivatives	YES		
Free from Yeast and Yeast Derivatives	YES		
Free from Cotton Seeds (Flour) and Cotton Seed Derivatives	YES		
Free from Rice and Rice Derivatives	YES		
Free from Mustard and Mustard Derivatives	YES		
Free from Celery or Celery Derivatives	YES		
Free from Celeriac or Celeriac Derivatives	YES		
Free from Fruit and Fruit Derivatives	YES		
Free from Vegetable and Vegetable Derivatives	YES		
Free from Carrot and Carrot Derivatives	YES		
Free from Legumes / Pulses	YES		
Free from Fish and Fish Derivatives	YES		
Free from Crustaceans / Molluscs and their Derivatives	YES		
Free from Additives	YES		
Free from Added Salt	YES		
Free from Added Sugar	YES		
Free from Antioxidants	YES		
Free from Artificial Glutamates	YES		
Free from Aspartame	YES		
Free from Azo and Coal Tar Dyes	YES		
Free from Benzoates (E210 / E219)	YES		
Free from BHA / BHT (E320 / E321)	YES		
Free from Caffeine	YES		
Free from Cinnamon	YES		
Free from Cocoa	YES		
Free from Colours (Artificial / Nature Identical / Natural / Smoked)	YES		
Free from Dextrose	YES		
Free from Dioxins	YES		
Free from Ethanol	YES		



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INTOLERANCE DATA

	If No please give details		
Free from Ethylene Oxide	YES		
Free from Flavourings (Artificial / Nature Identical / Natural / Smoked)	YES		
Free from Garlic	YES		
Free from Gelatine		NO	Peptan = Hydrolyzed gelatine
Free from Glutamates (E620 to E625)	YES		
Free from Histamine	YES		
Free from Hickory	YES		
Free from Honey	YES		
Free from Lactose	YES		
Free from Latex	YES		
Free from MSG (Added and Naturally Occurring E621)	YES		
Free from Nucleotides (E627, E630, E631, E635)	YES		
Free from Polyols	YES		
Free from Preservatives	YES		
Free from Starch Products (Including Maltodextrin)	YES		
Free from Sorbic Acid (E200, E203)	YES		
Free from Sulphur Dioxide and Sulphites at levels above 10mg/kg or 10mg/litre expressed as SO ²	YES		
Free from Sulphites (E220, E228)	YES		
Free from Sweeteners	YES		
Free from Vannillin	YES		
Suitable for Diabetics	YES		
Suitable for Coeliacs	YES		
Suitable for Ovo-Lacto Vegetarians		NO	Bovine
Suitable for Vegans		NO	Bovine
Kosher Certified		NO	
Halal Certified		NO	



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CONFIRMATION OF BSE/TSE STATUS

This is to certify that this product complies with all relevant current UK and EU Legislative requirements in regard to Transmissible Spongiform Encephalopathies (TSE) and Bovine Spongiform Encephalopathy (BSE) for human food, and so is free of TSE/BSE.

This is also to certify that, during the course of their manufacture, the above-mentioned product did not come into contact with any materials, which could be derived from TSE/BSE risk materials.

CONFIRMATION OF GM STATUS

This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under regulations 1829/2003/EC and 1830/2003/EC.

CONFIRMATION OF NON IRRADIATION STATUS

This is to certify that this product, whole or in part, has not been subjected to Ionising Radiation as per European Directives 1999/2/EC and 1000/3/EC.

CONFIRMATION OF NANDROLONE STATUS

This is to certify that this product, whole or in part, has not come into contact with Nandrolone or any of its precursors in any way.

CONFIRMATION OF IOC PRODUCT STATUS

This is to certify that this product, whole or in part, has not come into contact with any product/s, which is banned by the IOC (International Olympics Committee).

CONFIRMATION OF ANIMAL TESTING STATUS

This is to certify that all the products sold by Cambridge Commodities have not been tested on animals in any part of its manufacture in accordance with regulation 86/609/EEC.

CONFIRMATION OF PESTICIDES STATUS

This is to certify that the above-mentioned product complies with the regulation (EC) No.396/2005 of 23rd February 2005 and commission Regulation (EU) No. 559/2011 of 7th June 2011 amending annexes II and III of the above Regulation.





MATERIAL SAFETY DATA SHEET

Section 1 Description

PRODUCT NAME: PEPTAN B 2000 HD (HYDROLYSED COLLAGEN BOVINE)

PRODUCT CODE: P16077

Supplier: Cambridge Commodities Limited
59 Lancaster Way, Ely, Cambridgeshire, CB6 1NW.
Tel: 01353 667258. Email: mail@c-c-l.com

Section 2 Ingredients/Identity Information

<u>Components</u>	<u>% in Product</u>	<u>CAS Number</u>	<u>Formula</u>	<u>EINECS Number</u>
Hydrolyzed Collagen	100	92113-31-0	N/A	N/A

Section 3 Possible Hazards

Human Health Hazard	Non-hazardous
Environmental Hazard	Non-hazardous
Fire/Explosion Hazards	Fine powdered material may form explosive dust-air mixtures
Recommendation	In presence of water, the product makes a slippery surface Contact with skin, eyes or inhalation can be irritant for sensitive persons due to the product hydrophilic properties

Section 4 Emergency and First Aid Procedures

Inhalation	If symptomatic, move to fresh air, treat symptomatically seek medical attention if symptoms persist
Eyes	Any material that contacts the eye should be washed out immediately with water, seek medical attention if symptoms occur
Skin	Wash with soap and water, seek medical attention if symptoms occur
Ingestion	Drink 1-2 glasses of water, seek medical attention if symptoms occur, No risk if small quantity ingested



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Section 5 Fire and Hazard Data

Extinguishing Media	Water spray, carbon dioxide (CO ₂), dry chemical.
Special Fire Fighting Procedures	Wear a self-contained breathing apparatus
Hazardous Combustion Products	Carbon dioxide, carbon monoxide, oxides of nitrogen
Unusual Fire & Explosion Hazards	Powdered material may form explosive dust-air mixtures

Section 6 Accidental release measures.

Cleaning Measures	Collect up and put in a suitable container in order to recycle or destroy it as per point 13. Avoid generation of dust, clean surface thoroughly and with water where appropriate
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Section 7 Storage & Handling

Personal Handling Precautionary Measures	Avoid prolonged or repeated breathing of dust. Avoid contact with eyes and prolonged or repeated contact with skin. Use adequate ventilation. Wash after handling
Prevention of Fire/Explosion	Powdered material may form explosive dust-air mixtures. Minimize dust generation and accumulation. Use with adequate ventilation
Storage	Store in a closed containers, away from heat sources and protected from extremes of temperature, light and humidity. Store separately from any flavour or chemical products.

Section 8 Control Methods/Personal Protection

Exposure Limits	Not established. It is recommended to use the limit of dust as a reference value: 10 mg/m ³ (TWA – 8 hours)
Personal Protections (Ventilation)	Good general ventilation should be used. Ventilation rates should be matched to conditions.
Respiratory Protection	Use an approved respirator if a good general ventilation cannot be sustained
Hand Protection	For operations where prolonged or repeated hand contact may occur, impervious gloves should be worn





Section 8 Continued

Eye Protection	It is good industrial hygiene and occupational safety practise to minimize eye contact. Wear glasses with side shields (or goggles)
Skin Protection	It is good industrial hygiene practise to minimize skin contact. Use protective clothing according to GMP standards
Environmental Protection	Keep the product in a closed containers and in a closed facility. Avoid spillage of dust in the environment (dust-catcher equipment)

Section 9 Physical and Chemical Properties

Physical state	Powder
Colour	white to Yellow
Odour	Characteristic
pH	5.0 – 6.0
Melting Point.	Decomposition at 100°C
Boiling Point	Decomposition before ebullition
Explosive Properties	Can be classified between low explosive (ST1 class according to VDI 3673 classification and recommendation/November 2002) for finest mesh and non explosive for largest mesh

Section 10 Stability and Reactivity

Stability	Stable
Conditions to Avoid	None
Incompatibility	None
Hazardous Decomposition Products	None, except in case of fire

Section 11 Toxicological Information

This Product is a Food Ingredient

Inhalation	Low hazard for recommended handling
Eye	No specific hazard known. May cause transient irritation
Skin	Low hazard for recommended handling
Ingestion	Expected to be a low ingestion hazard



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Section 12 Ecological Information

Eco-toxicity	No hazardous effect known, no data available
Mobility	Water miscible
Bio-Degradability	Peptan is a protein completely biodegradability
Potential Bioaccumulation	No data available

Section 13 Disposal Considerations

Discharge, treatment, or disposal is subject to national, state, provincial or municipal laws. Since emptied containers retain product residue, follow label warning even after container is emptied and the same rules as for the product.

Section 14 Transport Information

Transport classification	Not classified as dangerous for any mode of UK or International transport.
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Section 15 Regulatory Information

Reach Regulation Compliance

EC 1907/2006 of the European Parliament and of the Council of December 18, 2006 concerning the Registration, Evaluation Authorization and Restriction of Chemicals (REACH) does not apply to Gelatine/Collagen and their hydrolysates as they are as non-isolated intermediates and therefore do not have to be registered. The exemption of the registration of Gelatine/Collagen, their hydrolysates and their monomers is confirmed by ECHA and the German REACH helpdesk.

The edible quality of this product complies with usual international regulations and particularly European and US regulations regarding edible gelatine.



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Section 16 Other Information

This advice is given by Cambridge Commodities Ltd who accepts no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterised or unknown.

We confirm that the information above is sourced from the original manufacturers/suppliers Specification.

To be used as per local legislation.

Version No: 0



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