Technical Product Data

PEPTIPLUS® XBB aggl.

Product description:

PEPTIPLUS® XBB aggl. are highly purified Collagen Peptides from bovine bone.

Characteristics:

The light, agglomerated powder is particularly neutral in taste and odor and readily soluble in cold and warm water.
PEPTIPLUS® XBB aggl. is pure collagen protein with a low mineral content and almost free of fat, cholesterol, carbohydrates and dietary fibers.

Amino acid composition

Amino acid	g amino acid/ 100 g crude protein (equal to % weight)
Alanine	8.6
Arginine	7.3
Aspartic acid	5.8
Glutamic acid	10.2
Glycine	22.1
Histidine	1.0
Isoleucine	1.4
Leucine	2.7
Lysine	3.6
Hydroxylysine	1.6
Methionine	0.9
Phenylalanine	2.1
Proline	12.6
Hydroxyproline	11.9
Serine	3.2
Threonine	1.8
Tyrosine	0.8
Valine	2.4

Shelf life:

Under dry and odorless conditions **PEPTIPLUS® XBB aggl.** can be stored in the original unopened packaging at ambient temperatures (< 30°C) for 5 years without loss of quality.

Packages:

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

Chemical/Physical data:

Parameter	Test Method	Value
Av. Molecular Weight	GPC GME Method	Approx. 2-4 kDa
Protein content dry sub.	GELITA	> 97,00 %
pH	20%, RT	5,00 - 6,40
Viscosity	20%, 25 ºC	3,00 - 6,00 mPa*s
Dry substance	GME (16h, 105°C)	91,0 - 96,0 %
Bulk density	GELITA	270 - 400 g/l
Peroxides	Ph. Eur. / USP-NF	<= 10 mg/kg
Residue on Ignition (Ash)	USP35-NF30 (550 ºC)	<= 2,00 %
Arsenic *	ICP-OES	< 1,0 mg/kg
Cadmium *	ICP-OES	<= 0,10 mg/kg
Chromium *	ICP-OES	< 10,0 mg/kg
Copper *	ICP-OES	< 30,0 mg/kg
Mercury *	AAS	<= 0,10 mg/kg
Lead *	ICP-OES	<= 0,1 mg/kg
Zinc *	ICP-OES	< 30,0 mg/kg
Sulfur dioxide *	Ph. Eur. / USP-NF	<= 10 mg/kg

*Reduced frequency testing in accordance to an internal quality program.

Microbiological limits:

Parameter	Test Method	Value
Total Aerob. Microb. Count	Ph. Eur. / USP-NF	< 1000 cfu/g
Total Yeast/ Mould Count	Ph. Eur. / USP-NF	< 100 cfu/g
Sulphite red. anaer. spores	GME / ISO15213 mod.	< 10 cfu/g
Escherichia coli	Ph. Eur. / USP-NF mod.	0 /10g
Salmonella	ISO 6579	0 /25g

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Dok.-ID: PEPTIPLUS® XBB aggl., SOXXBB
GELITA AG - Uferstr. 7 - 69412 Eberbach, Germany

Nutritional profile (per 100g):

Nutrient	Typical value
Energy value (average)	1,530 kJ (372 kcal)
Fat	0 g
of which	
-saturated	0 g
-trans fat	0 g
Cholesterol	0 g
Carbohydrates	0 g
of which	
-sugars	0 g
Protein	93.0 g
Salt	0.5 g
Sodium	0.2 g
Vitamin D	Not a significant source
Calcium	Not a significant source
Iron	Not a significant source
Potassium	Not a significant source

Regulatory Information:

The product is in accordance with FDA regulations, HACCP, ISO9001 and FSSC22000. Classified as GRAS (Generally Regarded As Safe). Furthermore, 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”.

Depending on the application and on the country where the product is to be consumed additional regulatory requirements may apply, therefore it needs to be ensured by the customer/user that the product is used in compliance with national legal requirements
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Allergen information:

Allergens (REG (EU) No 1169/2011) / USDA	contains
Cereals containing gluten, namely wheat (such as spelt and Khorasan wheat), rye, barley, oats, spelt, kamut or their hybridized strains, and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof (including lactose)	No
Nuts, namely almonds, hazelnuts, walnuts, cashews, pecan nuts, Brazil nuts, pistachio nuts, macadamia or Queensland nuts, and products thereof	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Sulphur dioxide and sulphites (E220 - E228) at concentrations of > 10 mg/kg or > 10 mg/l expressed as SO_2	≤ 10 mg/kg
Lupin and products thereof	No
Molluscs and products thereof	No

Statements are made to the best of our knowledge at the time of issuing the data sheet. **The values given in the data sheet are for information only and are not to be considered as specifications.** User shall be responsible for the commercialization of this GELITA ingredient also if applied into finished or semi-finished product formulations.

Contact: www.GELITA.com

Europe: service.EU@gelita.com +49-6271-842122

US: service.NA@gelita.com +1-800-223-9244

Brazil: service.SA@gelita.com +55-11-2163-8159

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