

Extracted Green Lipped Mussel Powder

Specification

Species: Perna canaliculus

Phylum: Mollusca

Origin: New Zealand

Description

The extracted Green Lipped Mussel Powder is the protein rich fraction remaining after the CO₂ extraction of non-polar lipids. The Perna canaliculus mussels (mollusc) are harvested from the Marlborough Sounds region of New Zealand. The extracted powder typically contains a minimum of 2% Glycosaminoglycans (also known as Mucopolysaccharides).

Appearance: Fine flowing variable fawn to light brown powder

Aroma: Characteristic Mussel Odour

Parameter	Method	Result	Units
Moisture	(AOAC 926.12 OMA online)	< 5	g/100g
Fat	(AOAC 948.15 OMA online (mod))	> 2.0	g/100g
Protein	(AOAC 981.10 OMA online (mod))	> 50	g/100g
Carbohydrate	(AOAC 985.29 OMA online)	15-25	g/100g
Total Dietary Fibre	(AOAC 985.29 OMA online)	> 0.5	g/100g
Minerals / Ash	(AOAC 920.153 OMA online)	13 -16	g/100g
Betaine (free)	(Eurofins NZ Internal LC-MS/MS)	c.1.8	g/100g
Glycosaminoglycan (GAG) as Chondroitin Sulphate	(Standard method for Glucosamine Assay (IRL); BP 2002, Ph Eur)	≥ 2	%
Heavy Metals			
Mercury	(In-house digestion/ ICP-MS)	< 0.5	mg/kg
Lead	(In-house digestion/ ICP-MS)	< 5.0	mg/kg
Cadmium	(In-house digestion/ ICP-MS)	< 5.0	mg/kg
Microbiological			
Aerobic Plate Count	(Comp. Methods – 4th Edition 2001)	< 1.0 x 10 ⁵	cfu/g
Enterobacteriaceae	(Comp. Methods – 4th Edition 2001)	< 5.0 x 10 ²	cfu/g
Faecal Coliforms	(Comp. Methods – 4th Edition 2001)	≤ 3	cfu/g
Yeasts and Moulds	(British Pharmacopoeia)	≤ 5.0 x 10 ²	cfu/g
Salmonella	(ISO 6579:2002 (E))	Not detected	per 25g

Packaging and Storage

Random weight bulk bags circa 0.5 tonnes each. Bags are food grade lined and have spout bases. The powder can absorb moisture when exposed to the atmosphere. Part used bags should be resealed. The product may also be available in 20kg plastic bag in box units.

This product has a shelf life of up to 3 years from the date of packing, provided that it is stored in cool dry conditions without exposure to direct sunlight. After this time, shelf life extension may be possible subject to retesting.

Extracted Green Lipped Mussel Powder Specification

Typical Amino Acids	g/100g
Alanine	2.6
Arginine*	4.2
Aspartic acid	5.8
Cysteic acid	3.7
Cysteine	0.5
Glutamic Acid	7.3
Glycine	4.7
Histidine*	1.0
Isoleucine*	2.1
Leucine*	3.1
Lysine*	3.7
Methionine*	1.0
Phenylalanine*	2.1
Proline	2.6
Serine	2.1
Threonine*	2.6
Valine*	2.1
Total	51.3

* EGLMP contains 9 out of 10 essential amino acids for Dogs

Typical Nutritional	Result	Units	Method
Energy	1,366	kJ/100g	By Calculation
Crude Protein	51.3	g/100g	ADAC 16th Edn 981.10 mod
Total Fat	5.9	g/100g	AOAC 16th Ed 948.15 mod
Ash	18.3	g/100g	ADAC 16th Edn 938.08 mod
Moisture at 105°C	5.8	g/100g	ADAG 12th Ed 950.46 mod
Carbohydrate	16.2	g/100g	AOAC 15th Edn 985.29
Total Dietary Fibre	2.5	g/100g	ADAC 15th Edn 985.29

Typical Inorganic	Result	Units	Method
Mercury	<0.05	mg/kg	USEPA 245.6 mod
Cadmium	1.8	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Calcium	5,700	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Copper	3.5	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Iron	360	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Lead	<0.3	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Magnesium	4,300	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Manganese	7.8	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Nickel	2.3	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Potassium	9,000	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Sodium	50,000	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.
Zinc	45	mg/kg	ADAC 935.13 mod/APHA 3120B Acid dig. ICP-OES.

Disclaimer: During the manufacture of this Extracted Green Lipped Mussel Powder the scientifically validated anti-inflammatory compounds comprising the non-polar marine lipids, which have been clinically proven to help with joint inflammation, pain and mobility, have been removed. The Extracted Green Lipped Mussel powder is qualified for use only as a nutritional ingredient when blended with other nutritional ingredients in a finished animal feed.

The manufacturer of the finished product has the sole responsibility for complying with all regulations applying to its manufacture, marketing and use statements related thereto. There exists no supporting evidence for a health claim or statement related to inflammation, pain or mobility for this powder ingredient.

Last updated: 23rd June 2025