



PRODUCT BRIEFING



ABA-ACTIVE

ABA-Active is an extract of 100% New Zealand-sourced abalone, and is an excellent dietary supplement, which can be added to a diverse range of products to provide a healthy source of easily digested protein.

Abalone (or Paua) is a native New Zealand shellfish containing rich sources of Glycosaminoglycans (GAGs), which aid joint and connective tissue support.

Valued as a general health enhancement of the Liver, Abalone Powder is high in energy and contains a wide range of important minerals including Potassium, Phosphorus, Iron, Sodium, Magnesium, Copper, Zinc, Selenium and a number of vitamins, especially Vitamin B12.

Abalone Powder provides effective prevention of anaemia, and contains natural unsaturated fish oils

W-3 and W-9, which benefit the heart and circulation.

It also promotes overall health, stamina and sexual function through support of the immune system.

Being rich in Vitamin A, E, and selenium, it helps to reduce the harm to the human body caused by eating non-fresh, oxidised food, and over-consumption of alcohol and antioxidants.

For many centuries, Chinese Natural Medicine experts have promoted Abalone Powder as a dietary supplement rich in minerals and vitamins for vitality and improved eyesight.

PHYSICAL ASPECT: ABA-Active is a free flowing dark green powder.

PACKAGING: packed in 20kg, 25kg, tamper-proof sealed cartons.

STORAGE: Keep in cool dark room out of direct sunlight.

GMO: This product is GMO-free and non-gamma irradiated.

TECHNICAL DATA

100% NEW ZEALAND ORIGIN

	Result
Crude Protein	59.0g/100g
Total fat	17.3g/100g
Carbohydrate	14.7g/100g
Ash	8.3g/100g
Glycosaminoglycans (GAGs)	10.0%

BENEFITS

- Supports the heart and promotes healthy circulation.
- Promotes overall health and sexual function.
- Rich in glycosaminoglycans (GAGs) for joint health.
- Rich in vital minerals, including Vitamin B12.
- Provides a good protein base for foods and supplements.
- Sourced from the pure waters around New Zealand.

PURE NEW ZEALAND PRODUCT • SUSTAINABLE • BSE FREE • NO TOXIC CHEMICALS OR SOLVENTS • NO IRRADIATION



PRODUCT BRIEFING

Glyc+omega™ OIL

GREENSHELL™ MUSSEL OIL

PHYSICAL ASPECT: Fish Protein Powder is a free flowing white to off white powder with a slight fish odour.

PACKAGING: packed in 10kg, 20kg, tamper sealed cartons.

STORAGE: Keep in cool dark room out of direct sunlight.

GMO: This product is GMO-free and non-gamma irradiated.

TECHNICAL DATA

	Result
Total fat	99.1g/100g
DHA	12.3g/100g
EPA	19.4g/100g
DPA	1.0g/100g
ALA	3.4g/100

Supports connective tissue and joint function.

Contains a unique combination of 30 essential fatty acids.

Beneficial to heart and respiratory health.

WHAT IS THE SCIENCE BEHIND GREENSHELL MUSSEL OIL?

Greenshell Mussel Oil has been the subject of numerous scientific studies, each demonstrating unique benefits from its pure ingredients. The unique grouping of Omega 3 fatty acids in Greenshell Mussel Oil are potent inhibitors of the lipoxygenase (5-lipoxygenase) pathway, which is where leukotrienes are produced, resulting in the down-regulation of the production of these harmful, inflammation-causing substances. Numerous clinical studies have linked the omega-3s in green-lipped mussels to measurable health benefits, including a study at the University of California which linked these omega-3s to reduced arthritic symptoms. (See *Allerg Immunol* (Paris), Sept. 2000;32(7):272-8).

CLINICAL STUDIES

Systematic review of the nutritional supplement *Perna Canaliculus* (green-lipped mussel) in the treatment of osteoarthritis

1/25/2008 | S. Brien, P. Prescott, B. Coghlan, N. Bashir and G. Lewith

From the Department of Primary Care, University of Southampton, Aldermoor, Health Centre, Aldermoor Close, Southampton, Hampshire, S016 5ST and School of Mathematics, University of Southampton, Southampton, Hampshire S017 1BJ, UK.

Novel anti-inflammatory omega-3 PUFAs from the New Zealand green-lipped mussel

8/1/2007 | *Comp Biochem Physiol B Biochem Mol Biol.* 2007 Aug;147(4):645-56. Epub 2007 Apr 14

Treschow AP, Hodges LD, Wright PF, Wynne, PM, Kalafatis N, Macrides TA. Natural Products Research Group, School of Medical Sciences, RMIT University, Bundoora, Victoria, 3083, Australia.

Immunomodulation of marine collagen-induced arthritis by N, N-dimethylglycine and a preparation of *Perna canaliculus*

6/11/2007 → <http://www.biomedcentral.com/1472-6882/7/20>

Clinical efficacy and tolerance of an extract of greenlipped mussel (*Perna canaliculus*) in dogs presumptively diagnosed with degenerative joint disease

6/1/2006 | *N Z Vet J.* 2006 Jun;54(3):114-8

Pollard B, Guilford WG, Ankenbauer-Perkins KL, Hedderley D. Institute of Veterinary, Animal and Biomedical Sciences, Massey University, Private Bag, 11222, Palmerston North, New Zealand.

In vitro modulation of inflammatory cytokine and IgG levels by extracts of *Perna canaliculus*

1/13/2006 | *BMC Complement Altern Med.* 2006 Jan 13;6:1 Mani S, Lawson JW.

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Improvement of Arthritic Signs in Dogs Fed Green-Lipped Mussel - *Perna canaliculus*

6/1/2002 → <http://jn.nutrition.org/cgi/content/full/132/6/1634S>

Anti-inflammatory effects of a stabilized lipid extract of *Perna canaliculus*

9/1/2000 | Halpern GM. *Allerg Immunol* (Paris). 2000 Sep;32(7):272-8.

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