



# GlycOmega™-PLUS

New generation Greenshell mussel extract  
**PRODUCT DATA SHEET**

## GENERAL DESCRIPTION

Aroma New Zealand Ltd is very proud to launch the new generation Greenshell mussel extract GlycOmega™-PLUS.

For generations the native coastal Maori population of New Zealand has consumed raw New Zealand Green Lipped Mussels as a primary part of their diet. This unique mussel is known scientifically as 'Perna canaliculus'. For centuries, it has provided an excellent source of protein, vitamins, minerals and extremely valuable Omega-3 fatty acids. For many hundreds of years, the Maoris would harvest the mussels growing naturally on the seashores and would eat them raw. Even though they saw the mussel as an important part of their diet, they did not realise the benefits they were gaining. The Green Lipped Mussel possesses a profile of Omega-3 essential fatty acids which are unique to its species. The presence of this rich source of essential fatty acids provides the mussel with potent soothing action.

With several years of scientific research Aroma NZ Ltd have formulated GlycOmega™-PLUS a proprietary blend of cold opened Greenshell Mussel meat (Perna canaliculus) and a botanical anti-oxidant which together provide significant levels of anti-inflammatory activity.

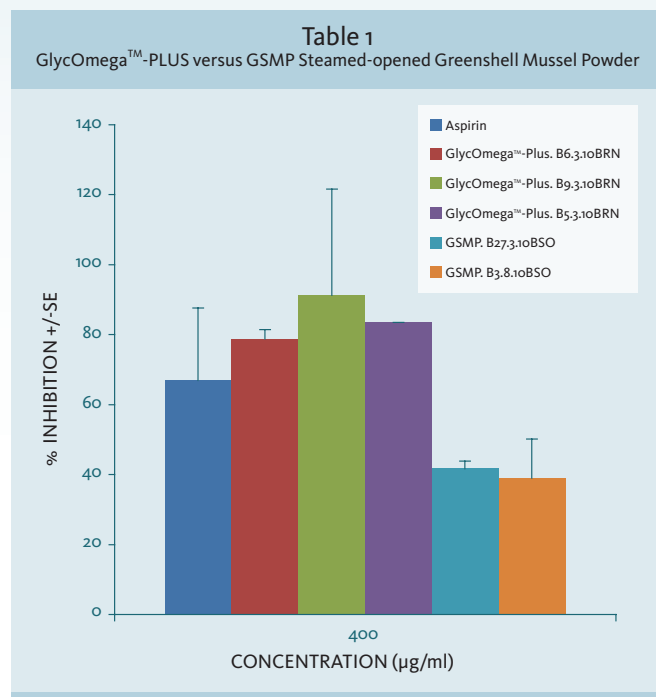
GlycOmega™-PLUS is only processed from selected live greenshell mussel meat which are full of lipids and omega-3 fatty acids. This ensures only the highest quality mussel extract reaches our customers.

GlycOmega™-PLUS is freeze dried at low temperatures ensuring all the bio-activity is optimized giving maximum anti-inflammatory activity. No steamed opened greenshell mussel meat is used in the production of GlycOmega™-PLUS.

The benefits of GlycOmega™-PLUS

- Provides significant anti-inflammatory activity over steamed opened mussel meat powder (As per table 1).
- Significantly increases joint mobility and reduces pain levels.
- Stabilized with a natural botanical extract protecting the lipid and Omega-3 fraction
- Natural pain relief without the side effects of arthritic drugs
- Greenshell Mussel meat is one of the most sustainable omega-3 resources in the world which is a farmed resource.

Should you be looking for a high quality joint care product with proven benefits in both the human and veterinary market then GlycOmega™-PLUS is the natural choice.



**SUSTAINABLE RESOURCE • BSE FREE • NO TOXIC CHEMICALS OR SOLVENTS • NO IRRADIATION**

## PHYSICAL ASPECT

GlycOmega™ PLUS is a brownish free flowing powder 60mesh with a typical mussel smell.

## PACKAGING

20kg aluminium foil bags

## STORAGE

Keep in cool dark room out of direct sunlight

## Technical Data

	Result
Crude Protein	53.4g/100g
Total fat	11.5g/100g
Ash	14.6g/100g
Omega-3	3.5g/100g

## USES AND CLINICAL DATE REFERENCES

GlycOmega™ PLUS is a revolutionary complex combining the well known properties of omega-3 fatty acids, chondroitin sulphate, glucosamine and glycosaminoglycans. The synergies between all these active principles are of huge interest in the food and food supplement industry, nutraceuticals and veterinary industry. GlycOmega™ PLUS promotes healthy cartilage and provides shock absorbing properties to the joint.

Extensive publications and trials are demonstrating the effects of these categories of active principles.

Below is a list of clinical studies to date.

### 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, SO16 5ST and School of Mathematics, University of Southampton, University Road, Southampton, Hampshire SO17 1BJ, UK.

### Immunomodulation of murine collagen-induced arthritis by N, N-dimethylglycine and a preparation of Perna canaliculus

6/11/2007

<http://www.biomedcentral.com/1472-6882/7/20>

### 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. Department of Microbiology and Molecular Medicine, Clemson University, Clemson, SC 29634, USA.

sachin\_mani@excite.com

<http://www.biomedcentral.com/1472-6882/6/1>

### 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>

### Gastroprotective and anti-inflammatory properties of green lipped mussel (Perna canaliculus) preparation.

12/19/1980

<http://www.ncbi.nlm.nih.gov/pubmed/7194074>

### Perna canaliculus in the treatment of rheumatoid arthritis

6/1/1983

Caughey DE, Grigor RR, Caughey EB, Young P, Gow PJ, Stewart AW.

<http://www.ncbi.nlm.nih.gov/pubmed/6673984>

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