

PERNAULTRA™

Premium Greenshell™ Mussel Powder

Our proprietary 'flash-dried' process using only fresh mussels, yields a superior powder, capturing the bioactivity of the mussels.

For centuries, native New Zealand Greenshell™ Mussels, also known as Green Lipped Mussels, have helped maintain mobility, muscle recovery, and joint health by supporting the body's natural ability to manage inflammation.

Providing a unique synergy of marine fatty acids associated with anti-inflammatory responses, our powder also contains Glycosaminoglycans (GAGs), a special form of mucopolysaccharide complex carbohydrates. Studies suggest that these combined with the omega-3 fatty acids can be beneficial to joint and muscle health.



OUR PROCESS

We sustainably farm and harvest A+ graded Greenshell™ Mussels with full traceability in their pristine New Zealand ocean environment before capturing their nutritional benefits in a 100% natural flash-dried powder ensuring freshness and avoiding the opportunity for lipids to oxidise.

Our Greenshell™ Mussel Powders contain no additives, preservatives or fillers.

NUTRITIONAL POWERHOUSE

- High-quality protein: contains 19 essential amino-acids
- Omega-3 fatty acids (ALA, EPA, and DHA)
- Glycosaminoglycans (including chondroitin sulphates)
- Vitamins: vitamin A, vitamin B, vitamin D and E
- Minerals and trace elements from the sea: iron, iodine, selenium, magnesium, potassium, phosphorus, and zinc
- 100% natural

TO SUPPORT

- Joint mobility and flexibility
- Bone, cartilage and connective tissue
- Inflammation management
- Accelerates muscle recovery
- Respiratory health
- Digestive health





Learn the science-backed health benefits of PERNAULTRA™ Greenshell™ Mussel Powder supplementation, clinically proven to support muscle recovery¹, alleviate joint pain², and improve functionality in Osteoarthritis³.

LEARN MORE >



1. Lomiwes, D.; Barnes, M.; Shaw, O.; Ngametua, N.; Sawyer, G.; Burr, N.; Hedderley, D.; Kanon, A.; Bear, T.; Carroll, A.; et al. The Efficacy of New Zealand Greenshell™ Mussel Powder Supplementation in Supporting Muscle Recovery Following Eccentric Exercise-Induced Muscle Damage in Healthy, Untrained Adult Males. *Nutrients* 2023, 15, 2316. <https://doi.org/10.3390/nu15102316>

2. Abshirini M, Coad J, Wolber FM, von Hurst P, Miller MR, Tian HS and Kruger MC (2022) Effects of Greenshell™ mussel intervention on biomarkers of cartilage metabolism, inflammatory markers and joint symptoms in overweight/obese postmenopausal women: A randomized, double-blind, and placebo-controlled trial. *Front. Med.* 9:1063336. <https://doi.org/10.3389/fmed.2022.1063336>

3. Cassandra AJ, Slade, Kruger, M. C., Miller, M. R., Hajar Mazahery, Beck, K. L., Conlon, C. A., Et Pamela. (2024). The effects of GreenShell™ mussel powder (brand-named PERNAULTRA™) on physical performance and subjective pain, symptoms, and function measures in knee osteoarthritis: A 6-month randomized, double-blind, placebo-controlled trial. *Current Developments in Nutrition*, 8(4), 102148–102148. <https://doi.org/10.1016/j.cdnut.2024.102148>



VERTICAL INTEGRATION

Sanford Bioactives is fully integrated, from owning the raw material to overseeing the entire production process, and ensuring a secure supply of high-quality products. Our commitment to the science of mussel breeding and hatchery, advanced farming assets, and unique technology allows us to specialize in cultivating the best mussel spat, harvesting them, and extracting high-quality marine extracts such as Greenshell Mussel powder and oil.

WHAT SETS SANFORD BIOACTIVES APART



Efficacy

Selective natural marine resources and unique processing techniques focusing on quality and bioactivity.



Traceability

Our end-to-end supply chain ensures each product produced can be traced back to source.



Sustainability

100% natural. Non-GMO. Certified sustainably managed marine inputs.



Consistency

Secure and consistent supply, meeting demanding specifications.

Brought to you by  SANFORD