



Puredia
SeaBerry® Seed Oil

Gastrointestinal Health



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Digestive tract function is the key to nutrient absorption that gives energy to stay active and healthy. However, intestinal problems are common, including upset stomach, heart burn, bloating, diarrhea or constipation.

Puredia® Seaberry seed oil is a clinically proven extract from the Tibetan Healing Fruit, SeaBerry, which aids for strengthening and supporting the protective intestinal linings and cells.





Puredia Seaberry® Seed Oil

A Natural Bioactive Oil Extracted by Supercritical CO₂

Puredia Seaberry® seed oil is made with 100% organic wild seaberry grown in the Tibetan Plateau under extreme temperature and conditions of drought, as well as high levels of soil salinity and acidity. It has been reported to have multiple bioactive nutrients that work synergistically to inhibit the inflammation and promote the healing of intestinal lining.

Omega 3-6-9 : It naturally provide a 1:1:1 ratio of Omega 3 (alpha linolenic acid) to Omega 6 (linoleic acid) to Omega 9 (oleic acid). These essential fatty acids are important to carry all fat-soluble vitamins and important for maintaining cellular membrane fluidity.

α-Tocopherol : α-Tocopherol has the highest antioxidant activity and is the most abundant tocopherol, comprising approximately 76 to 89% of of the total tocopherol of the berry. ⁽¹⁾

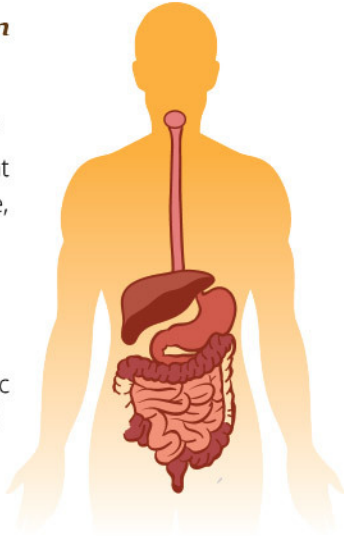
β-Sitosterol : A type of plant sterol that has numerous clinical trials have demonstrated the consumption of phytosterol can significantly lower serum bad cholesterol (LDL). Many studies also reported that it is associated with the inhibition of the growth of certain cancer cells. ⁽⁶⁾

A Demonstrated Way of Action

Defense Mechanism

Stimulates the level of endogenous antioxidant enzymes (SOD, catalase, GSH-Px) ⁽²⁾

Fight inflammation by reducing Inducible Nitric Oxide Synthase (iNOS) expression and NO production ⁽²⁾



Function of Seaberry seed oil at the gastric:

Forms a protective coating to protect the stomach from its own corrosive acid ⁽⁵⁾

Inhibits gastric proteinase production to reduce gastric acid ⁽¹⁾

Inhibits the growth of bacteria ⁽³⁾



Case Study 1

Liver Protection²

Background:

This study examined the protective effects of SeaBerry seed oil on carbon tetrachloride (CCl₄)-induced hepatic damage in 60 mice. A positive control group was given silymarin (200 mg/kg) and the SeaBerry seed oil groups were given at doses of 0.26, 1.30, and 2.60 mg/kg, respectively. The study lasted 8 weeks.

Result:

	SeaBerry seed oil (0.26 mg/kg)	Silymarin (200mg/kg)
ALT	↓ 57%	↓ 45%
AST	↓ 36%	↓ 41%
ALP	↓ 13%	↓ 18%
TG	↓ 34%	↓ 38%

SeaBerry seed oil significantly reduced the elevated levels of alanine aminotransferase (ALT), aspartate aminotransferase (AST), alkaline phosphatase (ALP) and triglyceride (TG) induced by CCl₄ induced hepatic damage.

	SOD (IU/mg protein)	Catalase (IU/mg protein)	GSH-Px (nmol NADPH/min/mg protein)	GSH-Rd (nmol NADPH/min/mg protein)
Milk Thistle (Silymarin 200mg/kg)	↑ 42.69%	↑ 31.40%	↑ 26.48%	↑ 94.81%
SeaBerry Seed Oil (0.26mg/kg)	↑ 42.50%	↑ 31.68%	↑ 27.89%	↑ 72.105%
SeaBerry Seed Oil (1.30 mg/kg)	↑ 49.23%	↑ 50.33%	↑ 29.36%	↑ 133.83%
SeaBerry Seed Oil (2.60mg/kg)	↑ 42.31%	↑ 60.82%	↑ 39.88%	↑ 100.49%

Case Study 2

Gastric Protection ⁴

Background: The study examined the effect of SeaBerry seed oil on gastric ulcers in 20 adult medium-sized dogs. Dexamethasone was administered to create gastric ulcerations and erosions. Thereafter the dogs were randomly divided into 5 groups, treated with 4 common medicine for gastric ulcer and SeaBerry Seed oil 5ml/animal twice a day. The study lasted 15 days.

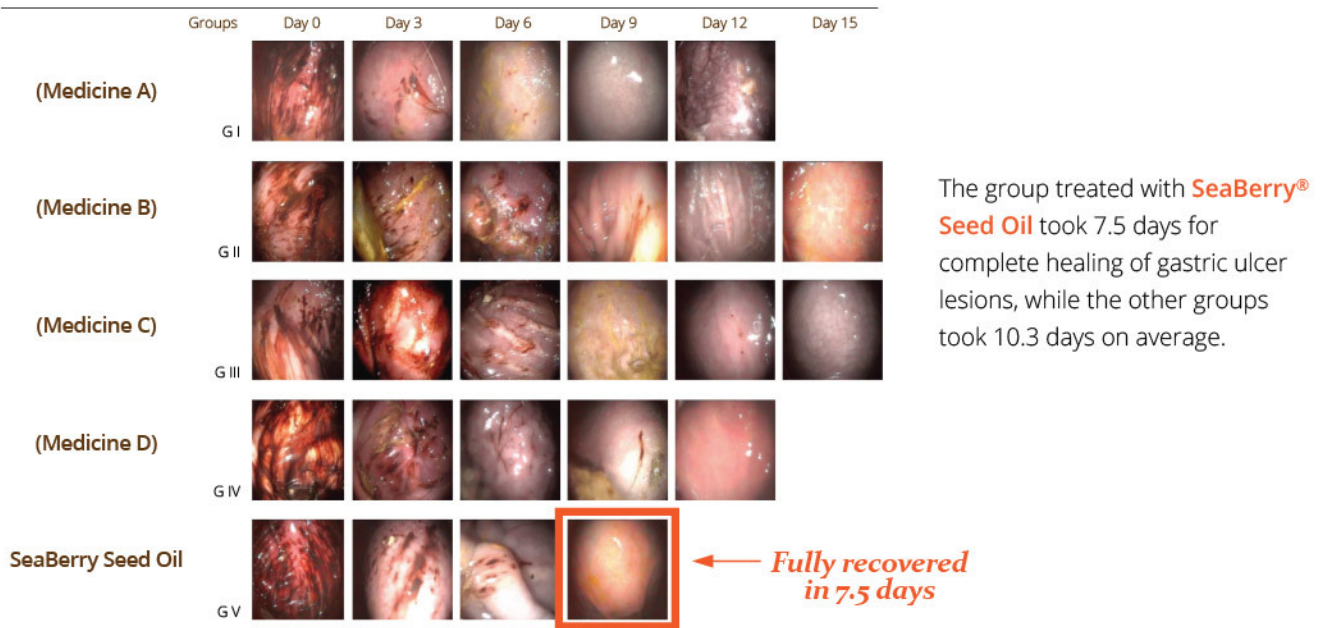


Figure 1: Endoscopic view of gastric mucosal surface of dogs in different groups at various observation intervals.

Puredia SeaBerry® Seed Oil at a glance

Specification	Recommended Dosage
Linolenic acid (GC) 23 - 31%	500mg per day
Linoleic acid (GC) 30 - 38%	
Oleic acid (GC) 15 - 25%	
Vitamin E (HPLC) ≥ 120mg / 100 g	
α-Tocopherol (HPLC) ≥ 30mg / 100 g	



Reference

- (1) Kumar, Raj, et al. "Phytochemical and pharmacological profile of seabuckthorn oil: a review." Res. J. Med. Plant 5.5 (2011): 491-499
- (2) Hsu, Yu-Wen, et al. "Protective effects of seabuckthorn (Hippophae rhamnoides L.) seed oil against carbon tetrachloride-induced hepatotoxicity in mice." Food and Chemical Toxicology 47.9 (2009): 2281-2288.
- (3) Zeb, Alam. "Important therapeutic uses of sea buckthorn (Hippophae): a review." Journal of Biological Sciences 4.5 (2004): 687-693.
- (4) Dogra, Richa, S. P. Tyagi, and Amit Kumar. "Efficacy of seabuckthorn (Hippophae rhamnoides) oil vis-a-vis other standard drugs for management of gastric ulceration and erosions in dogs." Veterinary medicine international 2013 (2013).
- (5) Shi, Jing, et al. "Protective effects of seabuckthorn pulp and seed oils against radiation-induced acute intestinal injury." Journal of radiation research 58.1 (2017): 24-32.
- (6) Choi, Yung Hyun, et al. "Induction of Bax and activation of caspases during β-sitosterol-mediated apoptosis in human colon cancer cells." International journal of oncology 23.6 (2003): 1657-1662.

GROWN IN THE TIBETAN PLATEAU



Puredia SeaBerry® is individually handpicked from our 23,000-acre farm which lies 4,500m (15,000 ft) high on the Qinghai Tibetan Plateau in Eastern China. Sourced from one of the cleanest environment in the planet, the unique set of climatic conditions combined with technological innovation sets our SeaBerry apart and makes our products pure and potent.



Grown in Pollution-free Tibetan Plateau

Scientifically proven to contain higher nutritional value than sea buckthorn grown in other places due to extreme growing environment, i.e. Continuous sunlight exposure, extreme temperature difference, minimal rainfall and high level of soil salinity and acidity.



Extracted by Supercritical CO₂ Extraction

Solvent-free and low temperature extraction technique retains all the richest nutrients without any loss.



Fresh Berries Supply All Year Round

Stored in frozen conditions which allow us to provide consistent supply throughout the year even in non-harvest season.



Worldwide Certified

Striving for the highest degree of quality and safety is always our utmost priority. Our farm is organic certified by USDA, EU and China and Non-GMO certified. Moreover, our state-of-art pharmaceutical grade production facility is certified with NSF GMP, ISO9001, ISO14001, ISO22000, HACCP, BRC, Halal and Kosher.



Organic Certified
Farm & NSF GMP
Facility



Features of
Puredia SeaBerry®

Puredia never uses any pesticides, fertilizers or chemicals and fully complies with both organic and wild harvesting procedures to maintain environmental and sustainable practices



Puredia's
Website