

Sealantro™

Applications

- Antioxidant Support
- Detoxification Support
- Immune Support
- Cardiovascular Support



Introduction

NutraMedix Sealantro™ is a proprietary blend of hydro-ethanol extracts from **chlorella** (*Chlorella* spp.), **cilantro leaf** (*Coriandrum sativum*), and **Pacific cold-water red seaweed** (*Chondracanthus chamissoi*).

Chlorella (*C. vulgaris*) is a single-celled algae that belongs to the Chlorellaceae family and is sometimes referred to as freshwater seaweed.¹ In traditional Chinese health practices, it is considered a gently cleansing, healthful food.² *C. vulgaris* contains flavonoids, tannins, triterpenoids, and sulfated polysaccharides, among others.³ As a functional food, its protein content ranges from 55–67%, containing all essential amino acids.⁴

Cilantro leaf (*C. sativum*) belongs to the Apiaceae family and is native to the Mediterranean region.⁵ *C. sativum* is well known as both an herb and a spice.⁶ The leaves are referred to as cilantro, while the seeds are referred to as Coriander.⁶ In Chinese health practices, cilantro is viewed as a healthy and cooling food.⁷ Cilantro leaf contains fiber, B vitamins, vitamin C, carotenoids, and minerals.⁸ The leaves are an abundant source of beta-carotene, with mature leaves containing higher levels.⁸ The majority of the leaf essential oil consists of (E)-2-Decenel.⁵ Cilantro leaf is rich in phenolic compounds and contains phenol carboxylic acids, coumarins, and flavonoids.⁵

Pacific cold-water red seaweed (*C. chamissoi*) belongs to the Gigartinaceae family.⁹ It is also

known as *Sphaerococcus chamissoi*, *Gigartina chamissoi*, and *Chondroclonium chamissoi*.⁹ *C. chamissoi* contains polysaccharides and carageenans, among many other constituents,¹⁰ and its flavonol content may help with antioxidant support.¹¹

NutraMedix Sealantro is made at our U.S. manufacturing facility using a specialized proprietary extraction process that optimizes the constituents of the herbs in their original, unprocessed state to obtain broad-spectrum concentration. Because our extracts are made in our own facility, we control all aspects of quality, including stringent ID testing, microbial testing, and heavy metal testing. NutraMedix rigorously follows current good manufacturing practices (cGMP), as do our suppliers.

Antioxidant Support

Chlorella (*Chlorella vulgaris*) may help with antioxidant support.^{3,12,13} It may help maintain total antioxidant capacity, malondialdehyde levels, and erythrocyte antioxidant function already within the normal range.^{12,13}

Cilantro (*C. sativum*) may contribute antioxidant support, as measured by DPPH assay and beta-carotene bleaching assay,⁵ and it may help maintain healthy free radical scavenging activity with hydroxyl and superoxide anion free radicals.^{5,14} In preclinical studies, a cilantro leaf extract helped support levels of glutathione,

superoxide dismutase and catalase already within the normal range in a dose-dependent manner, partly attributed to linoleic and linolenic fatty acid content.¹⁴ In rat studies, cilantro (*C. sativum*) helped with antioxidant support in both liver and plasma;¹⁵ it also helped maintain SGOT, SGPT, and TBARS already within the normal range.¹⁶

Pacific cold-water red seaweed (*C. chamissoi*) may help with antioxidant support as determined by TRAP, FRAP, and DPPH assays, attributed to the phenolic and flavonoid content.¹¹

Immune Support

Chlorella (*C. vulgaris*) may help with immune support.⁷ In studies with mice, it helped support phagocytic activity, humoral immunity and cell-mediated immunity already within the normal range.¹⁷ It also helped maintain B and T cell proliferation already within the normal range.¹⁸ In healthy humans, *C. vulgaris* may help maintain NK cell activity and levels of Th-1 cell-induced cytokines already within the normal range.¹⁹

Cardiovascular Support

Chlorella (*C. vulgaris*) may help maintain blood pressure already within the normal range.²⁰ It may also help maintain levels of total cholesterol, triglycerides, VLDL, and apolipoprotein B already within the normal range.²¹

Detoxification Support

Chlorella (*C. vulgaris*) may help support liver and kidney health.^{4,22-24} It may also help support healthy excretion of metals.^{4,24,25} In rat studies, chlorella helped support the healthy excretion of metals both directly and in the form of metallothioneins

(MTs), attributed to its chlorophyll and dietary fiber content.⁴ **Cilantro** (*C. sativum*) may help support healthy excretion of metals and support kidney health.^{26,27} **Pacific cold-water red seaweed** (*C. chamissoi*), in preclinical studies, acted as a biosorbent for metals.²⁸

Safety and Cautions

Chlorella (*C. vulgaris*) is generally well tolerated. While rare, gastrointestinal complaints such as nausea and diarrhea have been reported, as has fatigue.¹ There have been case reports of chlorella causing photosensitivity.¹ Allergy due to occupational exposure has been reported.¹ Chlorella has significant vitamin K content and may theoretically decrease the effectiveness of warfarin.¹ Chlorella may have a high iodine content, and caution should be used in those who are sensitive.¹

Cilantro (*C. sativum*) is generally well tolerated. The plant is generally recognized as safe (GRAS) in the U.S.²⁹ There has been a reported case of anaphylaxis following cilantro ingestion.⁶ Cilantro may have additive effects with antiplatelet medications.⁶ It may also have additive effects with photosensitizing medications due to the constituent furoisocoumarin coriandrin.³⁰

Pacific cold-water red seaweed (*C. chamissoi*), as a food, is generally well-tolerated. The available data is sparse regarding the potential for drug interactions or adverse effects.

Safety is not documented in breastfeeding or pregnant women, or in children under age 3, due to insufficient safety research.

*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to treat, cure, or prevent any diseases.

References

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¹⁰Wang, P., Zhao, X., et al. (2012). *Carbohydrate Polymers*, 89(3), 914-919.
¹¹Miranda-Delgado, A., Montoya, M.J., et al. (2018). *Latin American Journal of Aquatic Research*, 46(2), 301-313.
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¹³Panahi, Y., Mostafazadeh, B., et al. (2013). *Clinical Laboratory*, 59(5-6), 579-587.
¹⁴Park, G., Kim, H.G., et al. (2012). Coriandrum sativum L. protects human keratinocytes from oxidative stress by regulating oxidative defense systems.

NutraMedix. 

SHAKE WELL BEFORE EACH USE:

Put 40 drops in 4 oz (120mL) of water and wait one minute before drinking. Take every other day (30 min. before a meal) or as directed by your physician. Do not use if pregnant or nursing. Stop use if adverse reactions develop. Keep out of reach of children.

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SEALANTRO™

**ANTIOXIDANT/DETOX
SUPPORT [†]**

Dietary Supplement

1 fl oz. (30mL)

Supplement Facts

Serving Size 40 drops
Servings Per Container 15

Amount Per Serving

Proprietary Blend	2.0 mL*
Chlorella extract, Chondracanthus chamissoi extract, and Cilantro leaf extract	

*Daily Value not established

Other ingredients: water,
ethanol (20-24%)

NutraMedix. 

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V384460

Lot #
Exp.

PROFESSIONAL USE ONLY