Sealantro®

APPLICATIONS

• Antioxidant Support
• Immune Support
• Cardiovascular Support
• Detox Support

INTRODUCTION

Sealantro™ is a blend of chlorella (Chlorella spp.), cilantro leaf (C. sativum), and Pacific cold-water red seaweed (Chondracanthus chamissoi) extracts.

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

Cilantro (Coriandrum sativum), also known as Chinese parsley, belongs to the Umbelliferae/Apiaceae family and is native to the Mediterranean region. C. sativum is well known as both an herb and a spice. The leaves are referred to as Coriander, while the seeds are referred to as Cilantro. In Chinese medicine, Cilantro is viewed as a healthful and cooling food. C. sativum contains fiber, B vitamins, vitamin C, carotenoids, and minerals. The leaves are an abundant source of beta-carotene, with mature leaves containing higher levels. The majority of the leaf essential oil consists of (E)-2-Decenyl. C. sativum is rich in phenolic compounds and contains phenolic carboxylic acids, coumarins, and flavonoids.

Chondracanthus chamissoi, known commonly as Pacific cold-water red seaweed, belongs to the Gigartinaeae family. It is also known as Sphaerococcus chamissonis, Gigartina chamissonis, and Chondrophycnium chamissonis. C. chamissonis contains polysaccharides and caragenans, among other constituents, and its flavonol content may help with antioxidant support.

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 vulgaris may help with antioxidant support.*1,11 It may help to maintain plasma antioxidant levels and lipid peroxidation levels already within the normal range, as well as glutathione and malondialdehyde levels already within the normal range.10

Cilantro (C. sativum) may contribute antioxidant support, as measured by DPPH assay and beta-carotene bleaching assay,1 and may help to maintain healthy free radical scavenging activity involving hydroxyl and superoxide anion free radicals.5,12 In preclinical studies, a leaf extract helped to support normal 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.13 In rat studies, Cilantro (C. sativum) helped with antioxidant support in both liver and plasma; it also helped to maintain SOD, SGPT, and TBARS already within the normal range.14 In mice, the leaf extract helped to maintain levels of MMP-1 and procollagen type 1 levels already within the normal range.9

Red seaweed (C. chamissonis) 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.* In studies with mice, it helped to support phagocytic activity, humoral immunity and cell-mediated immunity already within the normal range.16 It also helped to maintain B and T cell proliferation already within the normal range.17 In healthy humans, C. vulgaris may help to maintain NK cell activity and levels of Th-1 cell-induced cytokines already within the normal range.20

CARDIOVASCULAR SUPPORT

Chlorella (C. vulgaris) may help to maintain blood pressure already within the normal range.21 It may also help to maintain levels of total cholesterol, triglycerides, VLDL, and apolipoprotein B already within the normal range.22

OTHER USES

Detox Support

Chlorella (C. vulgaris) may help to support liver and kidney health.*2,23,24 It may also help to support healthy excretion of metals.25,26 In rat studies, it helped to support the healthy excretion of metals both directly and in the form of metallothioneins (MTs), attributed to its chlorophyll and dietary fiber content.24 Cilantro may also help to support healthy excretion of metals and support kidney health.27,28 Pacific cold-water red seaweed, in preclinical studies, acted as a biosorbent for metals.29,30

SAFETY & CAUTIONS

Chlorella (C. vulgaris) is generally well tolerated. Gastrointestinal complaints such as nausea and diarrhea have been reported, though usually resolved within two weeks.31,32 Fatigue has also been reported.33 There have been case reports of chlorella causing photosensitivity,34 and rare reports of thrombocytopenia which may have been associated with polypharmacy.35 Allergy due to occupational exposure has been reported.36 Cilantro has significant vitamin K content and may theoretically decrease the effectiveness of warfarin.37 Chlorella may have a high iodine content and caution should be used in those who are sensitive.37

Cilantro (C. sativum) is generally well tolerated. The plant is generally recognized as safe (GRAS) in the U.S.38 There has been a reported case of anaphylaxis following cilantro ingestion.39 Cilantro (C. sativum) may have additive effects with antiplatelet medications.40 It may also have additive effects with photosensitizing medications due to the constituent furiosocoumarin coriandrin.41 Pacific red seaweed (C. chamissonis), as a food, is generally well-tolerated. Regarding the potential for drug interactions or adverse effects, little data is available at this time.

* 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


