**Kelife™ (Norwegian Seaweed)**

**DESCRIPTION**
Kelife™ (Norwegian Seaweed) tablets, provided by Douglas Laboratories, contain 500 mg of processed seaweed harvested from the cold, clean, nutrient rich waters of the North Atlantic. Seaweed is not only rich in iodine and other minerals, but also in immuno-modulating polysaccharides.

**FUNCTIONS**
Seaweed is rich in vitamins, including B-12, and minerals, especially iodine. Iodine is a structural component of the hormones thyroxin and triiodothyronine. These hormones control metabolism throughout the body. Proper functioning of thyroid metabolism depends upon optimum dietary levels of iodine. Iodine deficiency, goiter, is a worldwide health problem. The World Health Organization estimates that over 800 million people are at risk.

Seaweed has been traditionally used to treat a variety of functional disorders, ranging from goiter to constipation. Recent scientific studies indicate that seaweed may also be an effective stimulator of the immune system, as well as a detoxifying agent. Seaweed’s polysaccharide content, e.g. fucans, seems to be partially responsible for some of these positive benefits.

Japanese studies have demonstrated seaweed’s inhibitory effect on several carcinoma models. Fucoidan, a polysaccharide of 30% sulfated L-fucan, was inhibitory in the Ehrlich transplanted carcinoma model. Seaweed was shown to suppress the proliferation of 7,12-dimethylbenz(a)-anthracene (DMBA)-induced mammary tumors in rats. In this breast cancer model, the investigators suggest that the seaweed’s iodine may be partially responsible for the anticarcinogenic effect. Iodine transported into the breast tumor may initiate apoptosis via expression of TGF-beta. Some have hypothesized that the low breast cancer incidence in countries consuming significant amounts of seaweed is due to the dietary iodine.

Laboratory studies have suggested that seaweed’s antiproliferative action is associated with pheophytin-a, chlorophyll-related compound. In these studies, seaweed was very effective in inhibiting both initiation and promotion in the DMBA mouse skin model. Other cancer models demonstrating inhibition by seaweed include the Lewis lung carcinoma and the diethylnitrosamine (DEN) hepatocarcinoma model.

Other benefits of dietary seaweed include protection against radiation injury as it reduces thyroid uptake of radioactive nuclides.

**INDICATIONS**
Kelife™ (Norwegian Seaweed) tablets may be a useful dietary supplement for those who wish to take advantage of the benefits of this marine plant.

**FORMULA (#7973)**
1 Tablet Contains:
Norwegian Seaweed ..............................500 mg

**SUGGESTED USE**
Adults take 1 tablet daily, or as directed by physician.

**SIDE EFFECTS**
No adverse effects have been reported.

**HOW SUPPLIED**
Supplied in bottles of 100 and 250 tablets.

**STORAGE**
Store in a cool, dry place, away from direct light. Keep out of reach of children.

**REFERENCES**


(continued on reverse)


These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.

Manufactured by
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