

Ocean Lace

Product Name: Ocean Lace

Plant Name: Sea Spaghetti

Scientific name: *Himanthalia elongata*



Sea spaghetti

Ocean Lace

Ocean Lace is the sea spaghetti extract. *Himanthalia elongate*, known as sea spaghetti is commonly found in the Baltic and North Sea and North East Atlantic Ocean. The seaweed characteristically grows to be long fronds and sprout from rocks. You cannot really find sea spaghetti in exposed shores. It would have grown much smaller with shorter length if exposed to waves, but sea spaghetti lives in deep under the sea without being exposed to waves which makes them live longer and stronger.



Reference: <https://www.marlin.ac.uk/species/detail/1358>

Health benefits of Sea spaghetti

Ocean Lace

- Anti-aging
- Rich in Vitamins A, C, E
- Essential amino acids
- Other natural minerals
- Beneficial for your skin's health



Reference: <https://seaspoon.com/pages/sea-spaghetti-edible-seaweed>

Sea spaghetti on skin

Ocean Lace

Sea Spaghetti is rich in compounds known as “alginates” which lock moisture into the skin. They nourish, hydrate and soften the skin, whilst soothing dryness, acne, psoriasis and eczema flare-ups, as well as removing toxins and cleansing pores. This encourages firmer skin tone and leads to an improvement of overall skin elasticity. Sea Spaghetti is also a source of vitamin E – a vitamin well known for its benefits to the skin. This powerfully antioxidant compound supports skin health by combating the effects of free radicals and UV damage. UV light and over exposure to the sun reduce vitamin E levels in the skin, also, vitamin E levels decrease with age.

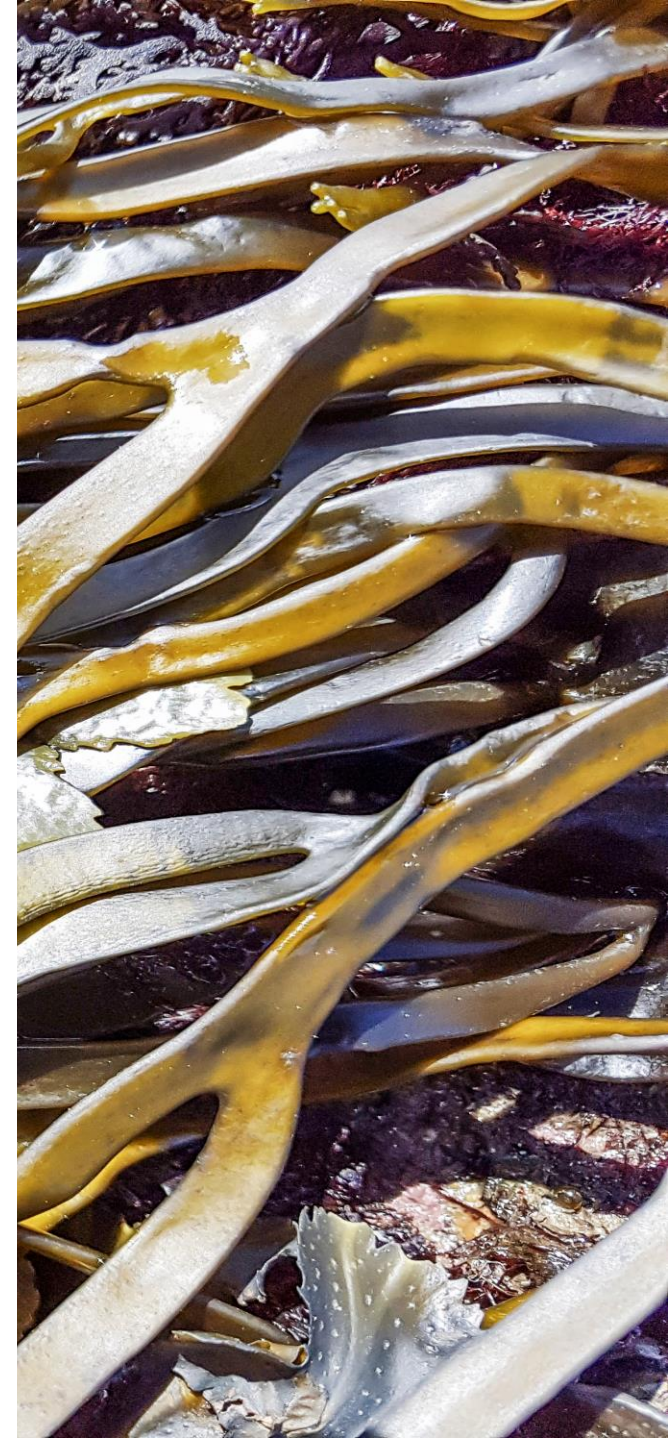


Reference: <https://www.indigo-herbs.co.uk/natural-health-guide/benefits/sea-spaghetti>



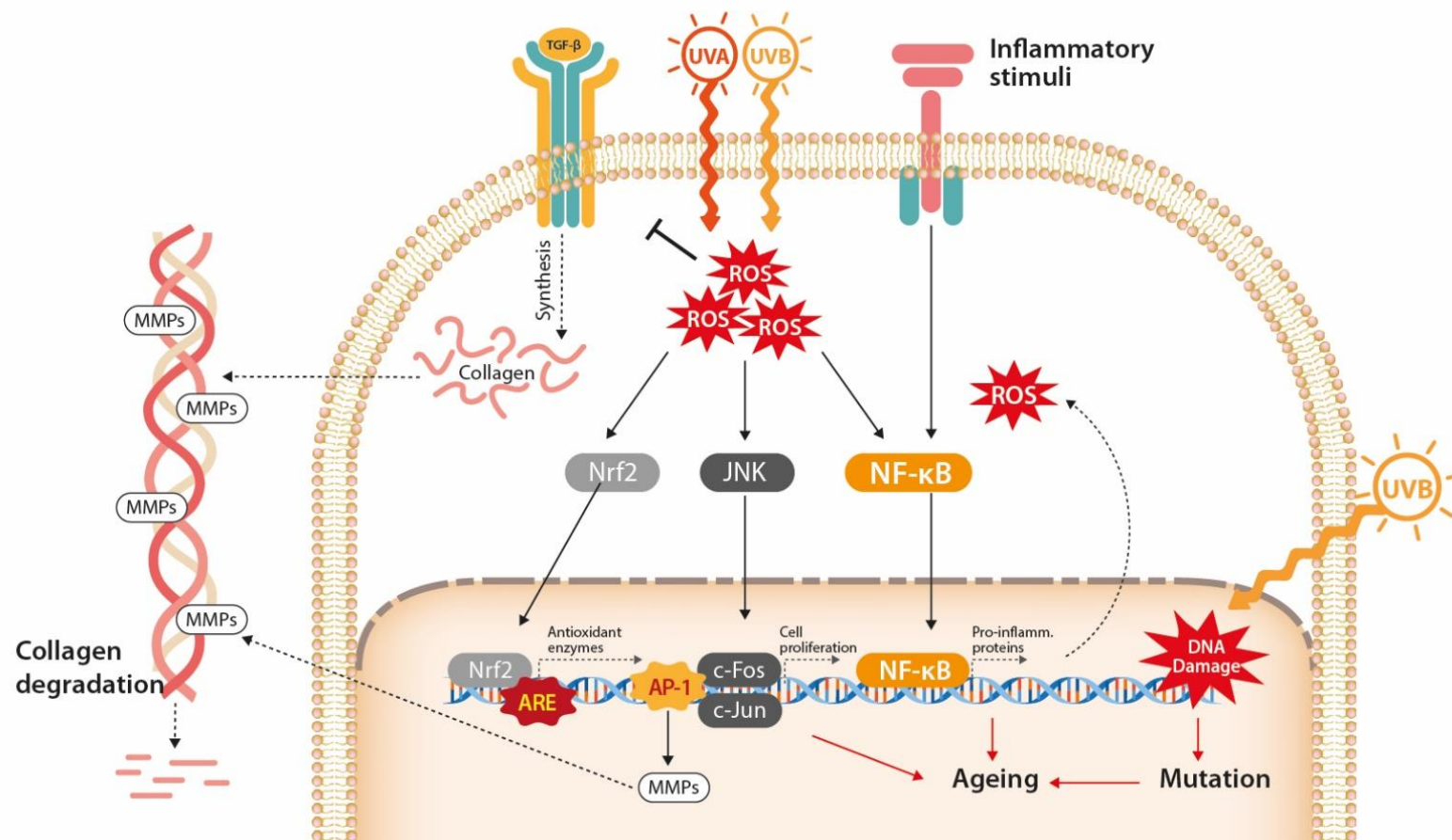
***In vitro* efficacy**

- **Anti-oxidant**
- **Anti-wrinkle**



Oxidative stress mechanism

Our skin is under attack from many factors in daily life, such as UV, pollution and stress. These factors increase the Reactive Oxygen Species, which plays a major role in the skin aging process.

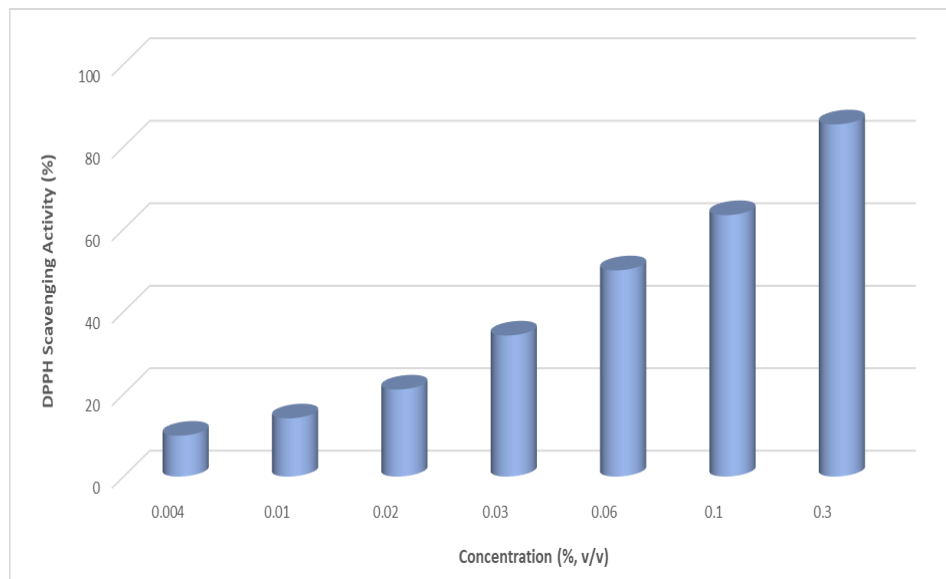


Anti-oxidant effects of Ocean Lace

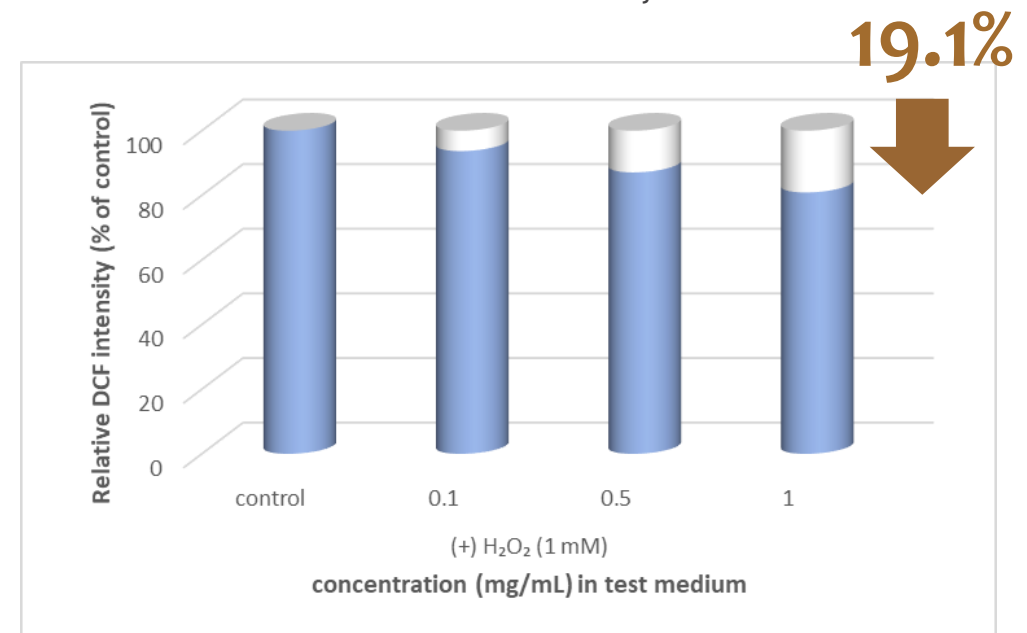
Ocean Lace

When testing for free radical scavenging activity, it was confirmed that as the concentration of the Ocean Lace increases, the inhibition activity also increases along with it. Ocean Lace was also found to reduce oxidative stress by 19.1%.

Free Radical Scavenging Activity



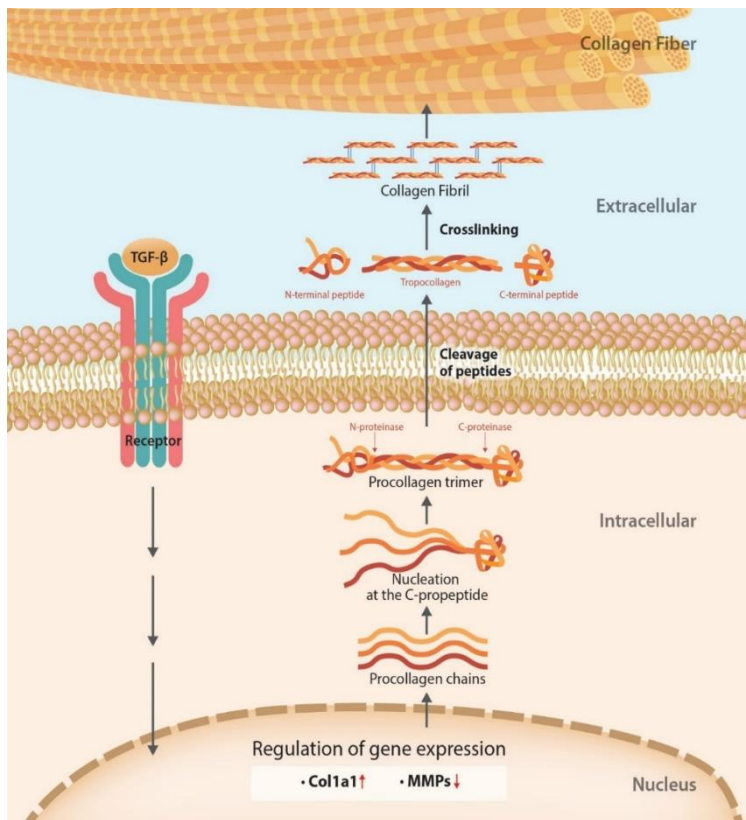
ROS Inhibition Activity



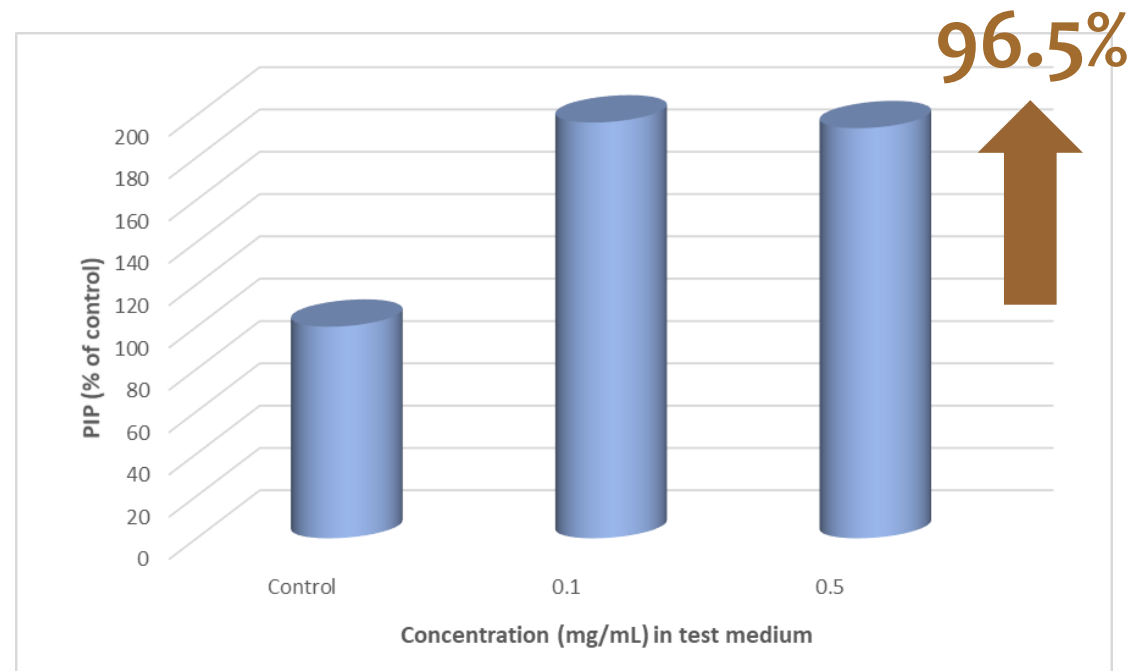
Prevention of skin ageing and wrinkle formation

Ocean Lace

When treating 0.1 mg/mL Ocean Lace, we found that collagen production increased by over 96.5%.
This shows its excellent anti-wrinkle property.



Procollagen Peptide Synthesis



Summary

- Grow in UK
- Multi vitamins
- Multi-efficacy
- Anti-aging



Product Information

- **Product Name** : Ocean Lace
- **INCI name** : Himanthalia Elongata Extract
- **IECIC 2015**: *HIMANTHALIA ELONGATA EXTRACT*
- **Dosage** : 1 – 3%
- **Efficacy** : anti-oxidant, anti-wrinkle





The Secrets of Caledonia

The Secrets of Caledonia (TSOC) is a supplier of natural cosmetic ingredients inspired by Scottish traditional herbal medicine. Taking advantage of Scotland's biodiversity and working in collaboration with established Scottish herbalists, we aim to provide the most effective and innovative natural ingredients at the highest quality.



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