SCIENCE OF SEAWEED

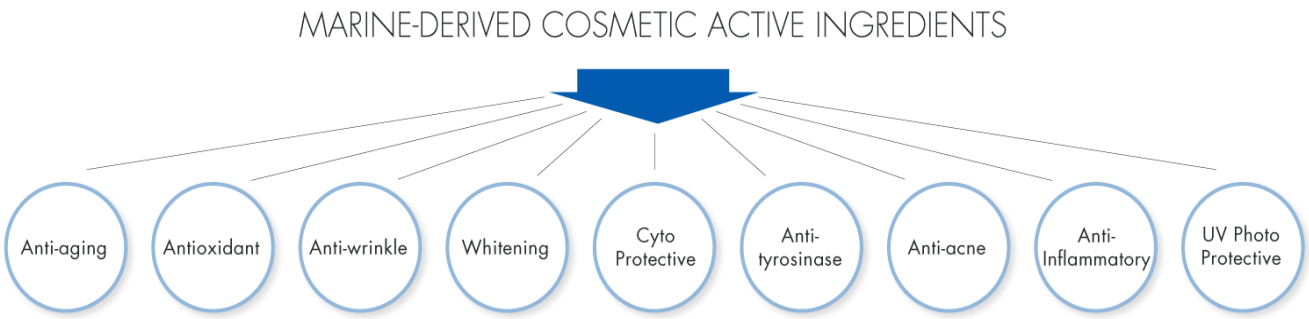
Bringing together the remarkable health and beauty benefits of seaweed and the finest natural ingredients the earth has to offer. Simply the world's most effective formulas for skin care, body treatments and cosmetics.

The Many Skin Benefits of Seaweed

Forerunners in sea plant technologies and pioneers in seaweed treatments and cosmetics in the US, Repechage has created a full range of nutrient-rich seaweed-based skincare products featured at top spas globally. Repechage researchers seek out specific seaweeds beneficial for a range of skin conditions and therapeutic needs. The rich blend of vitamins, minerals, trace elements, amino acids and anti-oxidants in seaweed makes it the ideal main ingredient for detoxifying, oxygenating, re-balancing, hydrating, anti-aging, and renewing benefits. Our seaweed is harvested from the pure seawaters off the Brittany Coast of France and processed in the USA by our proprietary method to deliver all the nutritive benefits from the sea to the skin.

Where Science Meets Skin Care

At Repêchage, we are always conducting ongoing research for new applications of our seaweed as well as investigating the newest ingredients to help address problems relating to the skin. It is for this reason that we have asked Professor Charles Yarish, Ph.D., professor of ecology and evolutionary biology at the University of Connecticut in Stanford, CT to join us as a member of the Repêchage Board of Directors. Below, Dr. Yarish provides interesting insights into the many important applications of seaweed in skin care.



"The marine environment contains a source of functional materials, including polyunsaturated fatty acids (PUFA), polysaccharides, essential minerals and vitamins, antioxidants, enzymes, and bioactive peptides. Marine collagen exhibits antioxidant properties that have been used in skin care products to prevent and even repair the damage caused by environmental factors, such as UV rays and low humidity."— *Se-Kwon Kim, Ph.D., Journal of Cosmetic Dermatology*

Repêchage Skin-Saving Seaweeds

LAMINARIA DIGITATA

A brown seaweed found in the upper intertidal and shallow subtidal marine environments. This EcoCert seaweed provides hydrating, nourishing, and anti-oxidant properties. Natural sources of 12 vitamins including B12, C, E, K and Beta Carotene, 18 amino acids, and 42 trace elements. Essential fatty acids help maintain the skin barrier while Alginic Acid – a polysaccharide – helps to lock moisture into the skin. Known to help increase cell proliferation.

CODIUM FRAGILE SUBSP. ATLANTICUM (formerly referred to as CODIUM TOMENTOSUM)

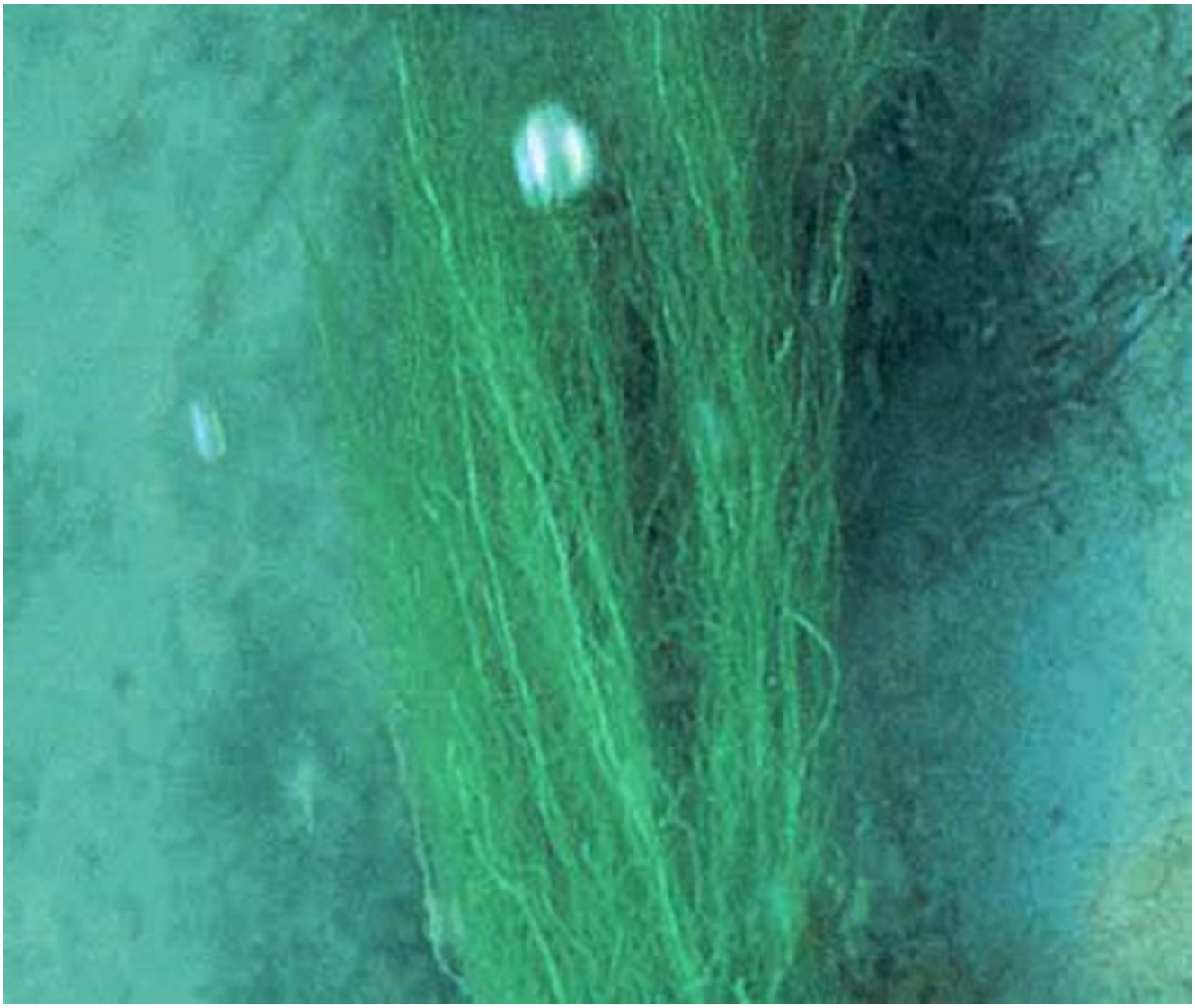
A green seaweed anchored to rocks from 1 cm to many meters in size found in the intertidal to shallow subtidal marine environments with branched cylindrical fronds. It re-establishes and locks in moisture to skin while balancing and repairing the skin barrier. This seaweed hydrates, nourishes and is a powerful antioxidant.

ASCOPHYLLUM NODOSUM

A brown seaweed, which thrives in the upper intertidal and shallow subtidal marine environments in the North Atlantic Ocean. It is rich in vitamins, minerals, and amino acid, fucoidan and alginic acid. Helps lock in moisture and rich in anti-oxidants to prevent free-radical damage.

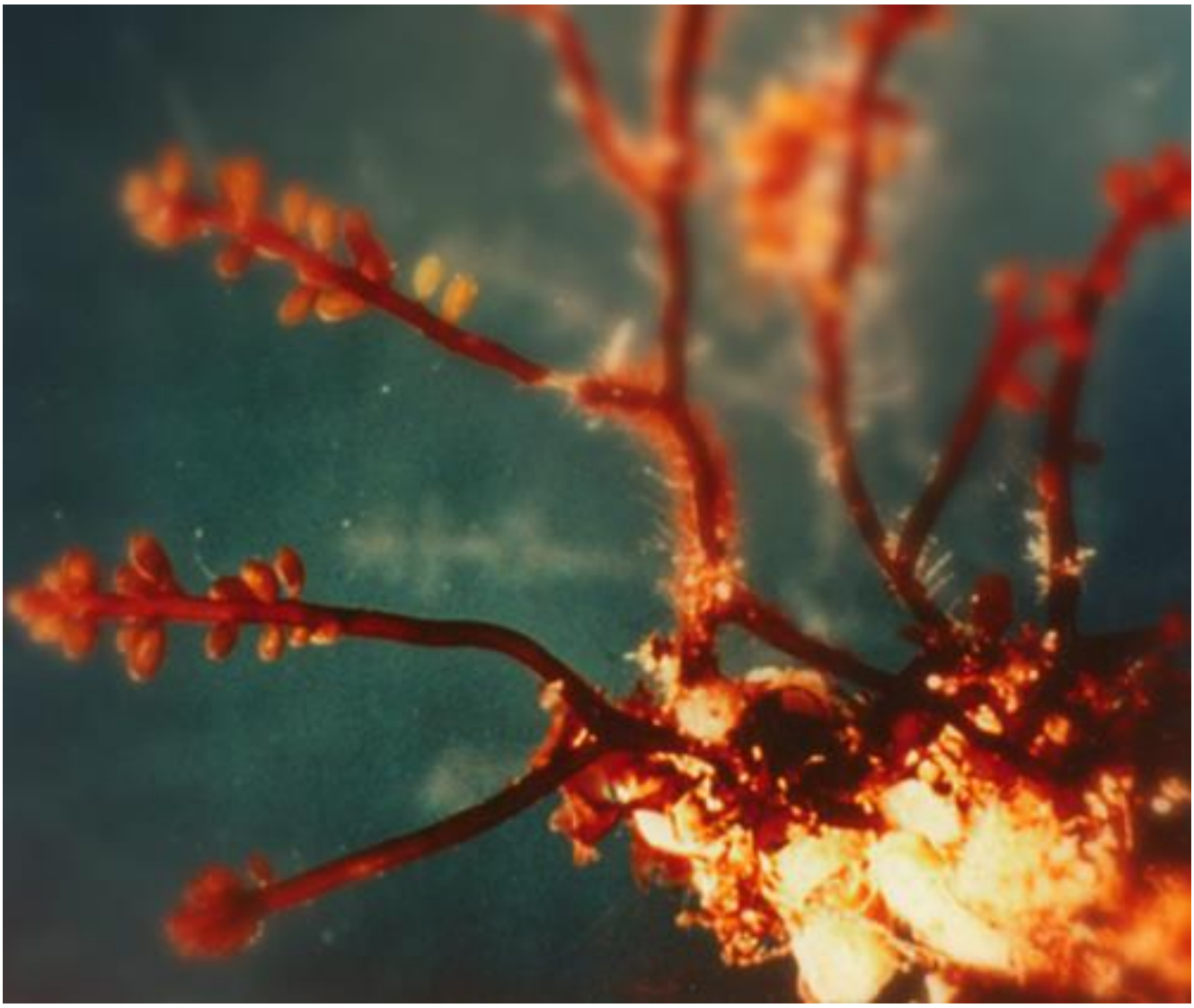
ULVA COMPRESSA (formerly referred to as ENTEROMORPHA COMPRESSA)

Green sheet and tubular seaweed that soothes, reduces desquamation, regenerates and activates micro-circulation and oxygenates cells. It reduces puffiness or any swelling on the skin.



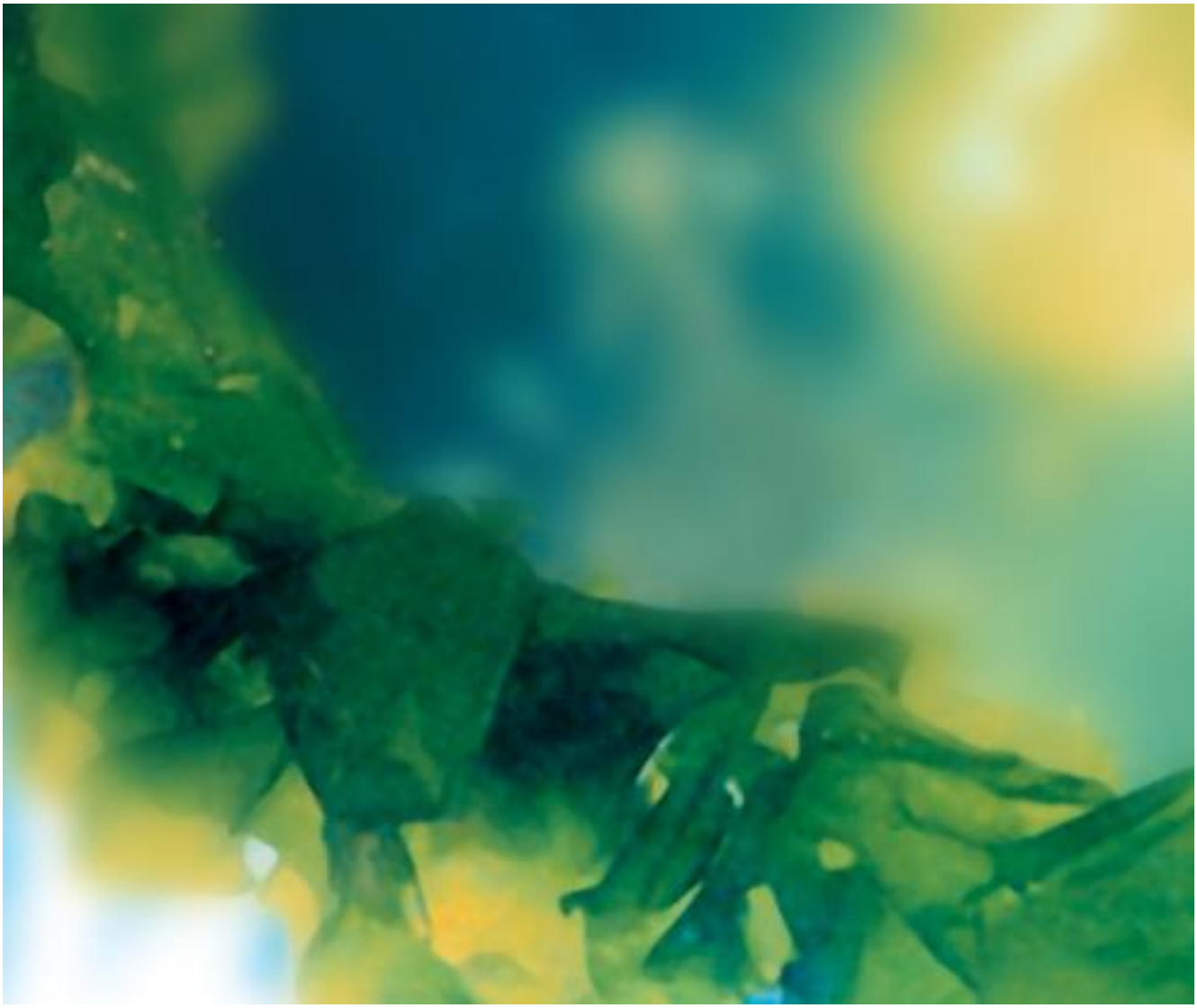
AHNFELTIA PLICATA (formerly referred to as AHNFELTIA CONCINNA)

A red marine algae from the coast of the Hawaiian Islands. Provides intense, immediate hydration, skin soothing and skin repairing qualities.



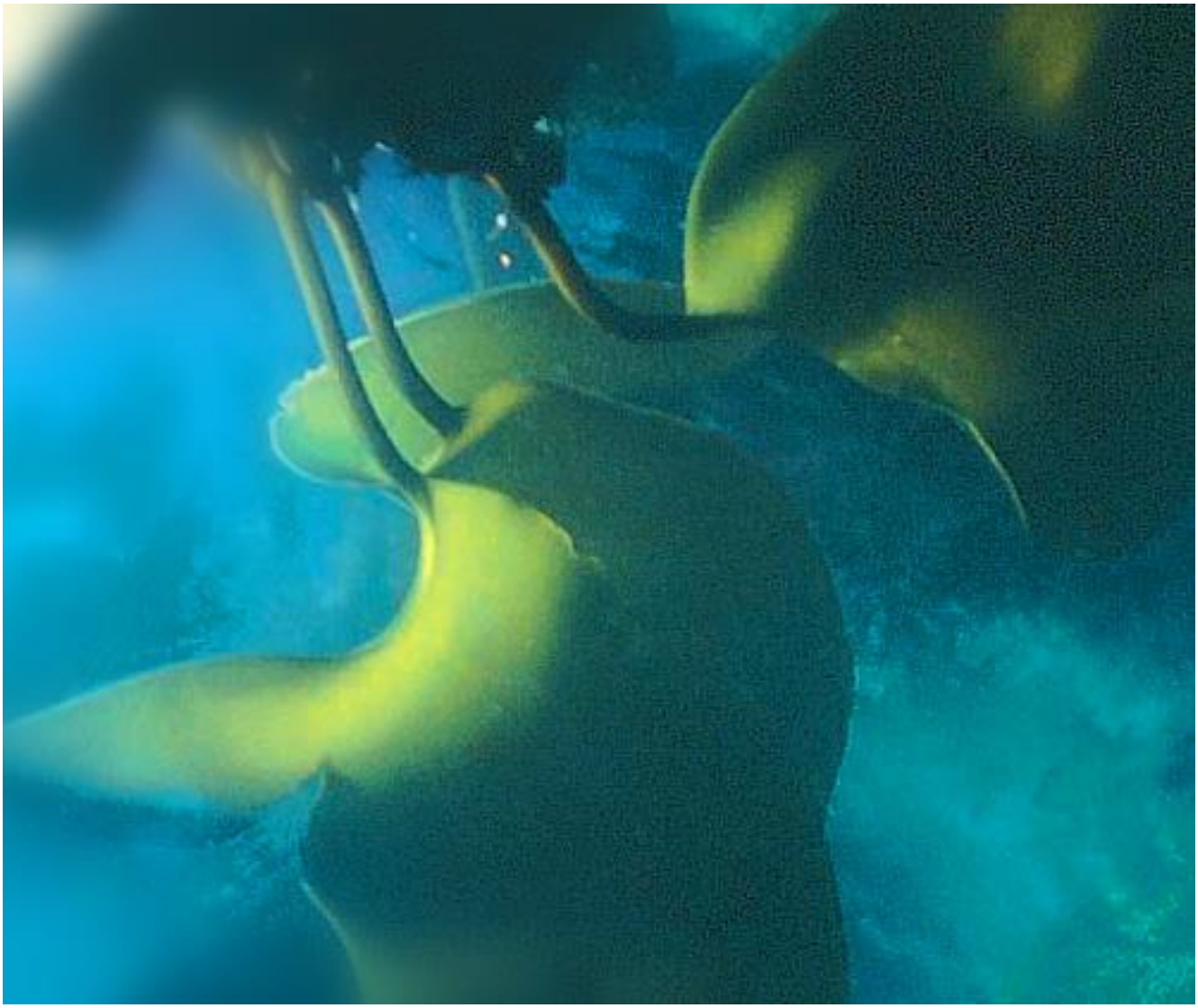
ULVA LACTUCA

A green seaweed found in the intertidal and shallow subtidal marine environments all over the world. A source of marine elastin protein that helps prevents the breakdown of elastin in the skin. It contains an extract of Aosine, an enzyme that neutralizes elastase, which is responsible for the breakdown of elastin in the skin. Helps increase vitality and brightness of skin complexion.



SACCHARINA LATISSIMA (formerly referred to as LAMINARIA SACCHARINA)

A brown seaweed found in the shallow subtidal cold water environments in the Atlantic and Pacific Oceans, which is rich in all the vitamins, minerals, trace elements, amino acids and alginic acid. Controls oil production to keep pores clear and has antiseptic and antibacterial properties.

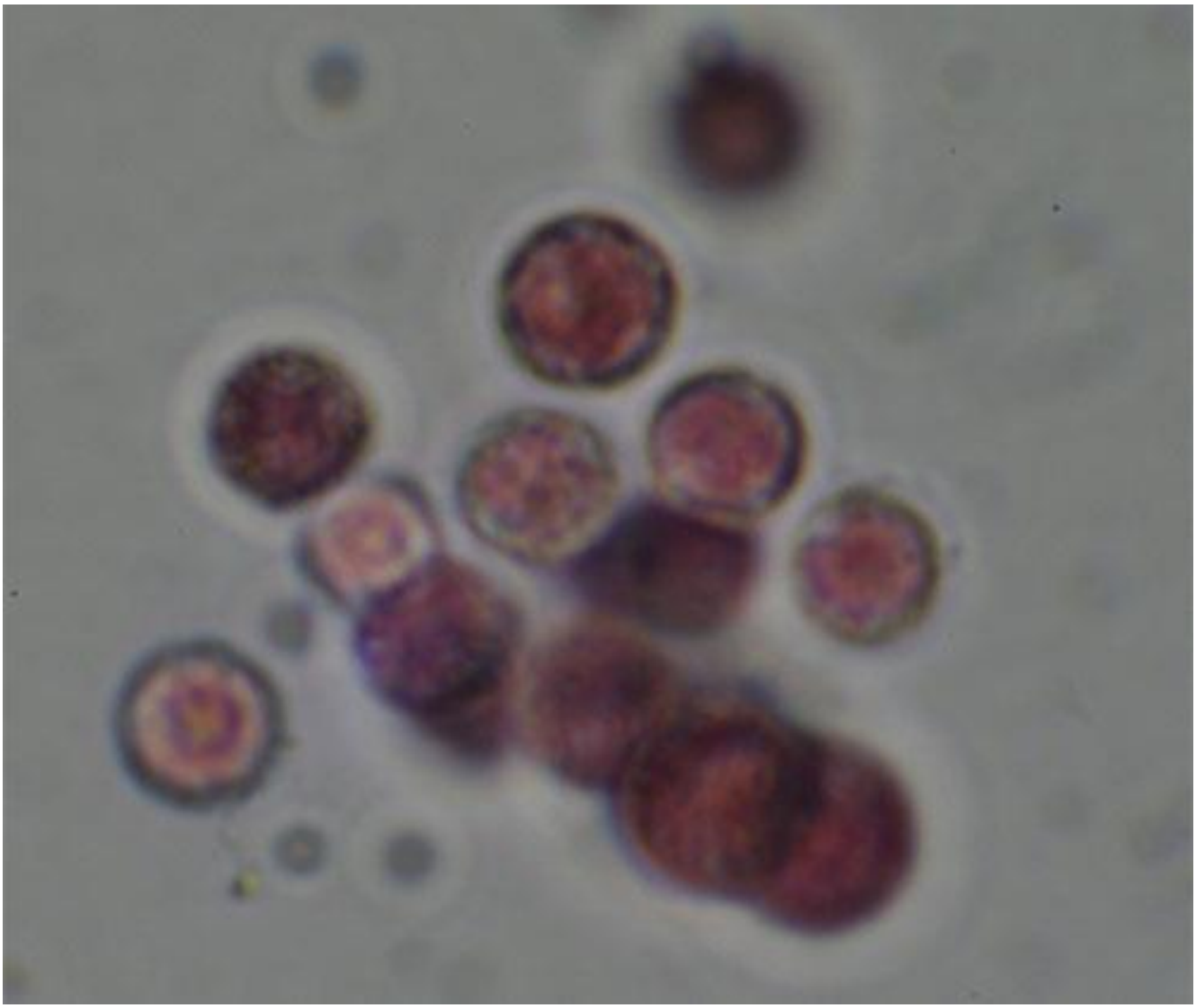


FUCUS VESICULOSUS

A brown seaweed found in the intertidal to shallow subtidal marine environments. Rich in vitamins, contains fucoidan and alginic acidic and has water resistant properties. This seaweed provides bacteriostatic action that inhibits the growth of bacteria in a product.

PORPHYRIDIUM SSP. - MICRO ALGA

A red, unicellular seaweed that's high in essential fatty acids as well as Vitamins B and C. This is used in combination with Zinc for sebum regulation, moisturizing and protection for problem skin.



LITHOTHAMNIUM CALCAREUM

A red alga whose main feature is the formation of calcium carbonate precipitate in its cell walls. This is used to help encourage slimming and firming.

PELVETIA CANALICULATA

A brown algae found attached to rocks of the upper intertidal rocky shores in the eastern Atlantic Ocean. Anti-inflammatory and anti-oxidant properties helps prevent aging. Protects against DNA deterioration and helps treat pigmented spots for a more even-toned complexion.

SPIRULINA SSP.

A type of cyanobacteria (also know as blue-green algae), which is free floating and forms mats in aquatic environments. It contains very high levels of protein. It is also a leading source of natural carotene, Vitamin E, Zinc, phycobiliproteins and essential amino acids. Used as a natural detoxifier.