

## CLINICAL STUDIES

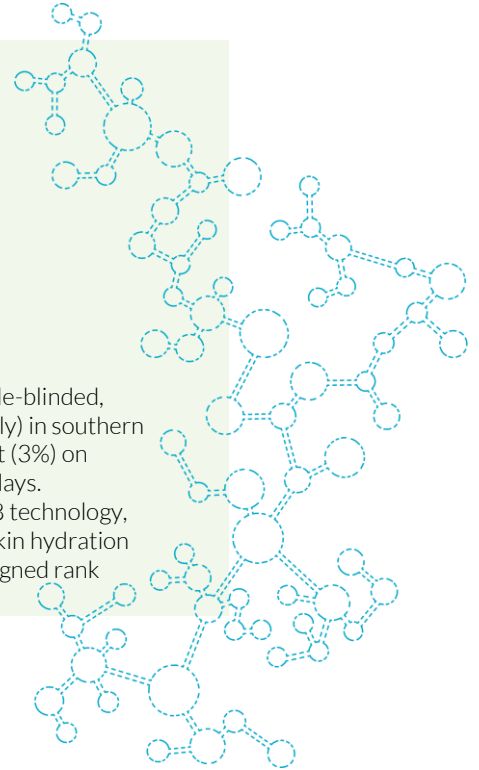
### Anti-Aging Efficacy -

#### Objective

The aim of this clinical study was to objectively evaluate the anti-aging efficacy of a facial cream containing *Laminaria saccharina* extract.

#### Protocol

A total of 20 healthy women (aged 35-65) with mixed skin types were recruited for this single-blinded, randomized, placebo-controlled split-face study. The study took place in summer (May to July) in southern Europe. Volunteers were instructed to apply a cream containing *Laminaria saccharina* extract (3%) on one randomized half of their face, and a placebo cream on the other half, twice a day for 60 days. Wrinkle density, wrinkle volume and skin smoothness were evaluated using Visioscan VC 98 technology, skin elasticity using Cutometer MPA 580, skin barrier function using Tewameter 300, and skin hydration using Corneometer. Measurements were taken at D0, D15, D30, and D60. The Wilcoxon-signed rank test for non-parametric data was applied for statistical analysis of the results.



#### Results

##### Evaluation of skin surface with Visioscan technology

Visioscan is a special UVA-light video camera with high resolution that can be used to study the skin surface directly. Images obtained with Visioscan show the structure of the skin very impressively. The camera features a high resolution b/w video sensor and a ring-shaped UV-A light source (proven to present no hazard to normal human skin) for uniform illumination of the skin. The camera can be connected to a computer via USB. A variety of interesting parameters can be determined with this technology, including wrinkle density and volume, and skin smoothness.

