

BOTANICALS
Actipone®
Laminaria Saccharina
146705

symrise 
always inspiring more...



Actipone® Laminaria Saccharina No. 146705 Seaweed from the Baltic Sea

PRODUCT CHARACTERISTICS

- Glycerol water based extract
- Soluble in water
- Ecological certification (by the Ministry of Schleswig-Holstein)
- Sustainable in terms of marine ecology and economy
- Recommended dosage: 2%
- MMP-9 inhibition activity*

SEAWEED

Algae are the oldest living organisms on our planet and were the first plants to discover photosynthesis. These plants are the main producers of oxygen and rich in non-essential amino acids.

More than 30000 species have been discovered so far.

Laminaria Saccharina is cultivated in the first seaweed farm at the Baltic Sea coast in Germany.

The cultivation techniques have been developed by marine biologists ensuring high controlled quality standards.

*in vitro tested

MMP-9 INHIBITORY ACTIVITY

- Matrix metalloproteinases (MMPs) are a group of structurally related enzymes that degrade extracellular matrix proteins like collagen and elastin.
- Increase of MMP levels in the skin contributes to wrinkle formation and loss of elasticity and firmness.
- The imbalance within the MMP system is caused by:
 - Natural aging
 - Stress
 - Photo aging (UV)
 - Tobacco
 - Environmental toxins, e.g. ozone
 - Inflammation

PROVEN EFFICACY IN VITRO

Concentration (%) Actipone® Laminaria Saccharina	MMP-9 inhibition (%)
2	63.3% ±7.8
0.2	not detectable
0.02	not detectable

