

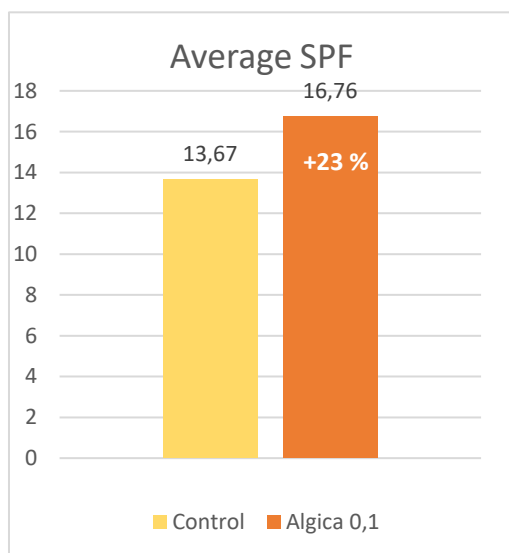


ALGICA® – In vitro SPF booster results

Ocean-safe, ECOCERT certified and COSMOS approved SPF booster developed by algae.

Algica, an ingredient freshly extracted from diatoms has natural abilities to block harmful UV light. This has been confirmed in scientific studies by our team and other scientists, including a publication in the elite journal Nature. Algica originates from the sea and are thereby completely safe for oceans and sea life. It is of great importance today to protect our fragile oceans from harmful and unnatural chemical substances that endanger life in the oceans.

A pilot study conducted by external institute confirmed that Algica in vitro will enable greater SPF efficacy in sunscreen products. Either to reduce the amount of UV filters when using Algica or to deliver a higher SPF with Algica as a natural SPF booster.



Results from study

The in vitro study was conducted to estimate the SPF boosting efficacy of Algica incorporated at 0,1% in a cosmetic formulation in comparison with a reference product/control. The test product is spread as a thin film on a suitable synthetic substrate and the UV absorbance through this film is measured with a spectrophotometer.

The results from the test showed that Algica at 0,1 % was effective and increased the SPF in the formulation with 23 % in average and with 56 % as best.

Algica can boost sunscreens and daily care products to achieve a higher SPF whilst creating a more sustainable product.

Conclusion

This pilot study shows that Algica works as a SPF booster. Algica with a concentration of 0,1 % can give a SPF boosting effect of an average 23 % and as best up to 56 % in vitro. In vivo tests are planned for autumn 2020.

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