

REGU[®]-SEB - *effective long-term regulation
of sebum production.*



REGU[®]-SEB - *effective
balanced combination of natural
lignans and phytosterols.*

REGU[®]-SEB - *sebum regulation
based on 5 α -reductase inhibition.*

Unlimited. **DSM**

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REGU®-SEB

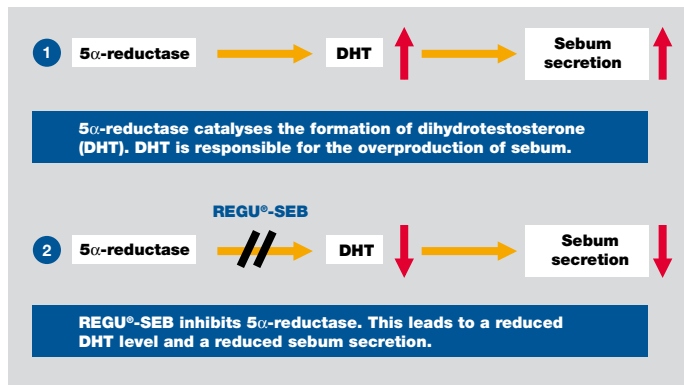
REGU®-SEB – the effective long-term regulation of sebum production.

REGU®-SEB contains high levels of natural lignans and phytosterols.

Properties:

REGU®-SEB has antiseborrheic properties normalizing the secretion of sebum of the skin.

REGU®-SEB inhibits the formation of 5 α -reductase, which is responsible for the overproduction of sebum.



Function:

- reduces greasiness.
- prevents skin irritation.
- leads to smooth skin.
- improves skin appearance.

Cosmetic applications:

- Skin care preparations based on slight emulsions, like cream gels.

Formulations:

REGU®-SEB is a viscous liquid and can be processed either warm (<80°C) or cold, and is incorporated into the oily phase of a cosmetic formulation.

Suggested concentration:

1–5% **REGU®-SEB**

INCI Name:

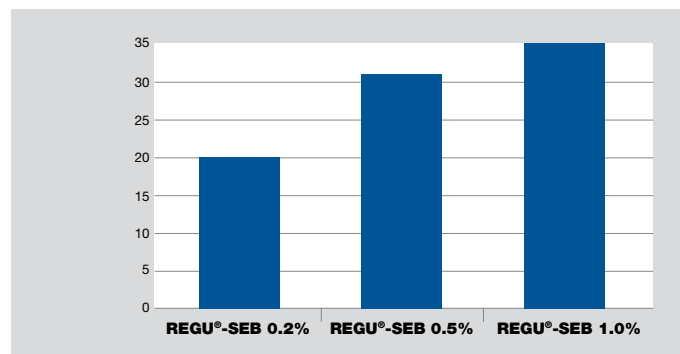
Argania Spinosa Kernel Extract, Serenoa Serrulata Fruit Extract, Sesamum Indicum (Sesam) Seed Extract

Efficacy Tests:

In vitro test:

The sebum-regulating activity of **REGU®-SEB** was examined on reconstructed epidermis. The graph below shows the dose-response-dependent inhibition of dihydrotestosterone (DHT) synthesis by **REGU®-SEB**.

Inhibition of DHT synthesis [%]



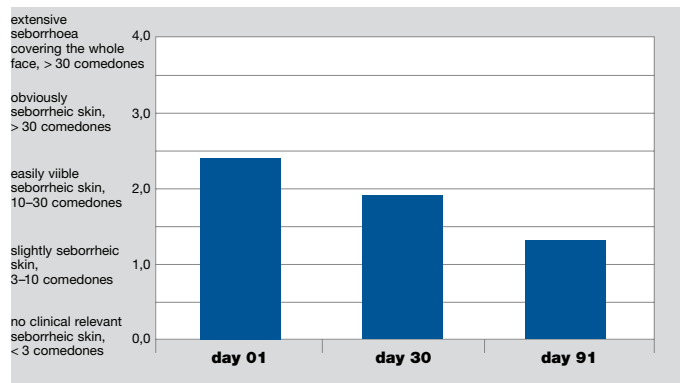
1% REGU®-SEB leads to a reduction of the DHT level by 35% vs. control.

In vivo test:

A clinical assessment by dermatologists was performed before the first application as well as after 30 and 90 days of the treatment. A cream gel containing 5% **REGU®-SEB** was applied.

A statistically significant **decrease of 46%** in severity of seborrheic skin condition was shown by the clinical assessment.

Severity of seborrheic skin condition



REGU®-SEB showed a very good efficacy in decreasing the severity of seborrheic skin condition. Skin appearance was significantly improved.