

CLINICAL DATA – BAROSMA BETULINA LEAF EXTRACT

Barosma Betulina Leaf Extract

Balances sebum secretion and diminishes pore size



- Enlarged pores are one of the worst enemies for a flawless skin texture.
- Widened pores are mainly visible in forehead, nose and cheeks.
- One of the causes that leads to pore dilation is an excess of sebum production.
- The shininess produced by the sebum is also a major concern and makes pores look even more obvious.

It is essential to control the excessive production of sebum to avoid dilated pores, shiny skin and other related imperfections.

Barosma Betulina Leaf Extract through its innovative mechanism of action, reduces sebaceous secretion, decreases the number of pores, as well as their diameter and volume.

Barosma Betulina Leaf Extract is obtained from the leaves of buchu (*Barosma betulina*), a South African plant widely known and used in its country of origin. It is rich in flavonoids, diosmin being the active molecule.

Benefits of Barosma Betulina Leaf Extract:

- Refined pores
- Oil free skin
- Matte finish
- Smoother skin grain
- Improved global skin texture
- More uniform and radiant complexion

***In-vitro* efficacy**

Reduction of lipid production

The dual effect of Barosma Betulina Leaf Extract on lipid production was evaluated:

- It inhibits the differentiation of the sebocytes.
- It modulates lipogenesis by decreasing the amount of lipids.

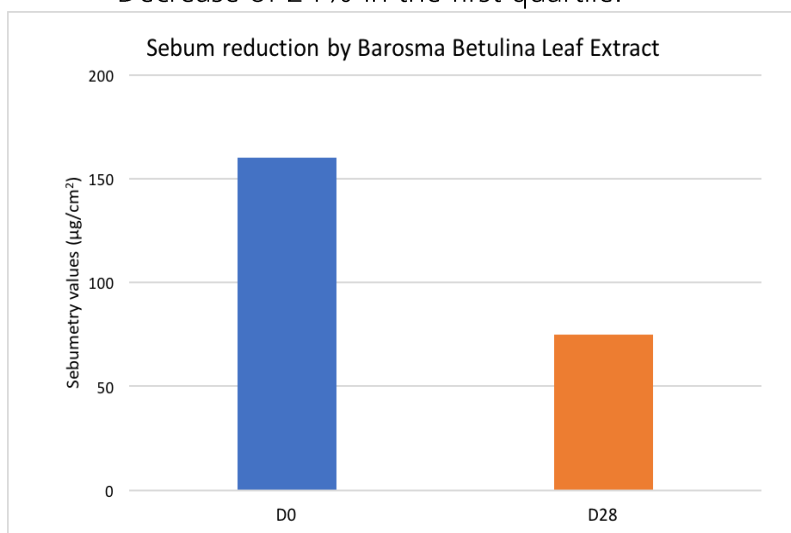
***In-vivo* efficacy**

Comparative test with the following protocol: 20 volunteers with oily skin, between 35 and 70 years old, Barosma Betulina Leaf Extract 3% was applied on half of the face, twice a day for 28 days; on the other half, placebo formulation was applied.

Seboregulating effect

Evaluation of the sebum regulating effect produced by Barosma Betulina Leaf Extract, compared to placebo and D0:

- Average reduction of 13 %
- Up to a maximum of 42%.
- Decrease of 24% in the first quartile.



Seboregulating and mattifying effect by

Pore reduction

The treatment of the skin with Barosma Betulina Leaf Extract for 28 days caused a decrease:

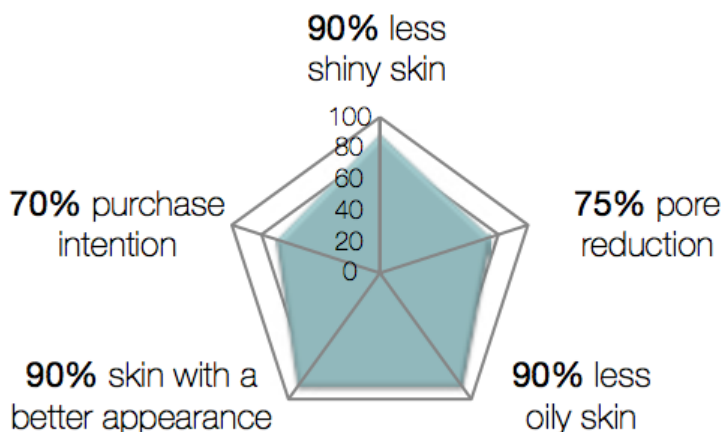
- Up to 24% in the number of pores.
- Up to 20% on pore diameter and volume.

Barosma Betulina Leaf Extract minimizes pores in number, diameter and volume



Subjective questionnaire

After using Barosma Betulina Leaf Extract, the volunteers responded to a questionnaire regarding the efficacy in relation to different parameters:



Technical Specifications

Properties

Through an innovative mechanism of action, Barosma Betulina Leaf Extract balances sebum secretion and reduces pores in size, volume and diameter.

Actives molecules

Flavonoids expressed as diosmin

Cosmetic applications

- Seboregulating lines for combination, oily or acne-prone skins
- Pore minimizer treatments
- Mattifying products
- Anti-ageing treatments that tighten pores and smooth skin grain