



BOTANIPLEX™ CALM 4





Botaniplex™

Multifunctional herbal blends for skin health

Botaniplex™ products are high-quality, potent, multifunctional blends of herbal extracts developed to address specific skin conditions, treating them efficiently and safely.

The products are blended from herbal extracts produced at ISO9001 facility. The herbal raw materials, obtained from reliable suppliers, originate in regions of China that grow the best quality medicinal herbs. After incoming Quality Control (QC) tests, the herbal material is subjected to our own proprietary extraction and purification steps. This results in liquid, easy to formulate extracts enriched in the desired phytochemicals and depleted of unwanted plant materials and contaminants. The extracts are subjected to rigorous QC tests before blending and further checks after formulation into Botaniplex™ products.



Botaniplex™ CALM 4

Keep CALM, love your skin whatever your age!

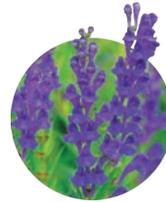
Botaniplex™ CALM 4 is specially crafted to support skin through the complex aging process, addressing both intrinsic factors like inflammation and autoimmunity, and extrinsic factors such as mechanical stress, sunlight, pollutants, and pathogens.

As we age, the skin's ability to grow and repair slows, leading to visible signs of aging, including wrinkling, fragility, dryness, pigmentation, dermatitis, and slower wound healing.

With its targeted formulation, **Botaniplex™ CALM 4** promotes healthier, nourished skin, helping you embrace well-aging with confidence.

INCI Name: Glycerin, Water, *Rheum palmatum* root extract, *Scutellaria baicalensis* root extract, *Glycyrrhiza glabra* (Licorice) root extract, *Cnidium monnieri* fruit extract

Preservative free
100% natural origin



Scutellaria Baicalensis
(Skullcap)



Rheum palmatum
(Rhubarb)



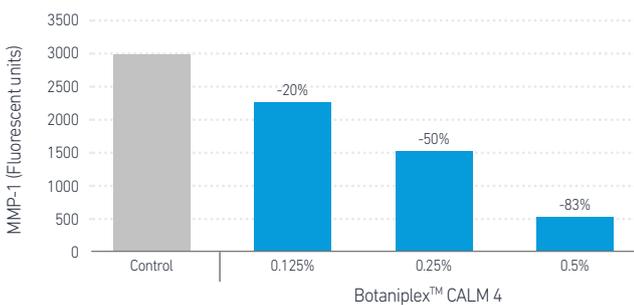
Glycyrrhiza glabra
(Licorice)



Cnidium monnieri
(Snowparsley)

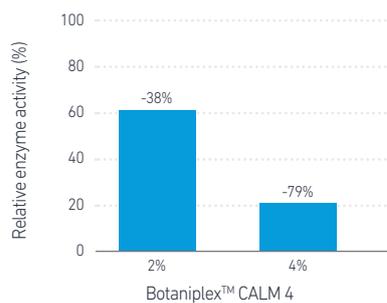
In vitro Skin integrity retention

Matrix Metalloproteinase -1 (MMP-1) is a collagenase, an intrinsic enzyme that digests collagen, an important skin structural protein. **Botaniplex™ CALM 4** helps preserve skin structure by inhibiting MMP-1.



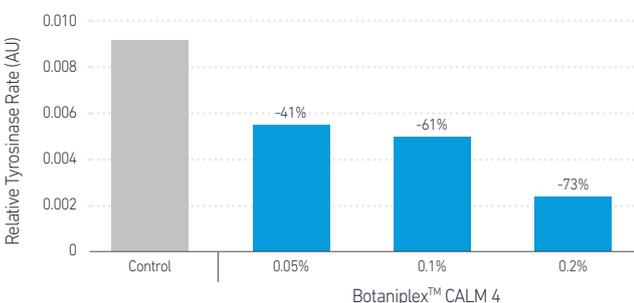
Moisture preservation

Hyaluronidase is an intrinsic enzyme that digests hyaluronic acid, a polysaccharide lubricant that occurs naturally in the skin. **Botaniplex™ CALM 4** inhibits hyaluronidase, helping to keep the skin moist and supple.



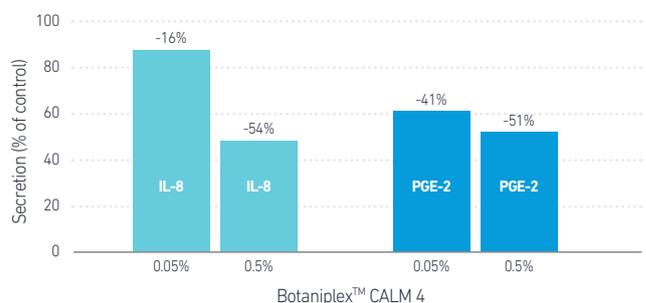
Lightening

Tyrosinase is an intrinsic enzyme responsible for synthesis of melanin, the pigment that causes dark patches on the skin. **Botaniplex™ CALM 4** is a strong inhibitor of tyrosinase.



Redness reduction

Botaniplex™ CALM 4 decreases secretion of pro-inflammatory mediators from keratinocytes subjected to UV-inflammation-inducing stimulus.



In vivo Significant and visible reduction in signs of aging

Objective: Efficacy evaluation of face gel containing 4% **Botaniplex™ CALM 4** to reduce aging-related appearance of the skin.

Study Population: 42 adult volunteers with aging skin.

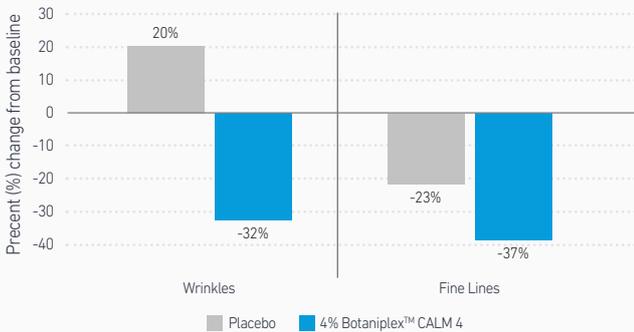
Design: Randomized, double-blind, placebo-controlled, study duration - 60 days.

Results:

- Reduction of fine lines and wrinkles
- Improvement in skin tone and glossiness
- Dryness reduction

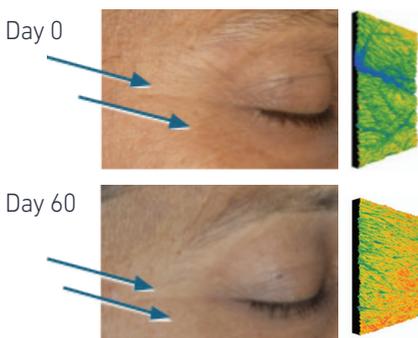
Wrinkles reduction

Vioscan assessment of wrinkles in the Crow's feet area reveals that **Botaniplex™ CALM 4** results in superior wrinkle reduction compared to the placebo.



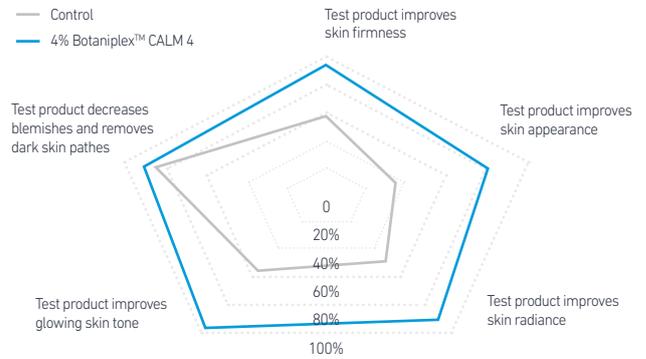
Visible Improvement in wrinkles

Image-Pro Software Analysis of Area and Intensity of Wrinkles and facial photographs demonstrate a visible reduction in wrinkles following the treatment with **Botaniplex™ CALM 4** gel.



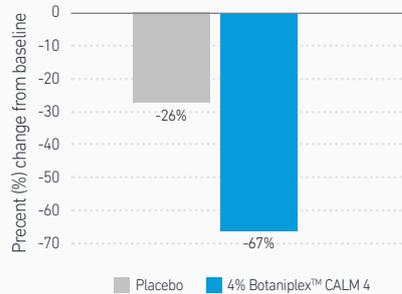
Percentage of satisfied volunteers

More than 50% were **very satisfied** with anti-pigmentation effect of the **Botaniplex™ CALM 4** product compared to only 5% with the placebo.



Skin brightening effect

Using a pigmentation scoring scale, a superior improvement in skin brightness was observed following the application of **Botaniplex™ CALM 4** as compared to placebo. The result was supported by Colorimeter analysis.



Claims:

- Skin integrity retention
- Moisture preservation
- Anti-pigmentation
- Fine line & wrinkle reduction
- Assists in redness reduction

Possible Applications:

- Face & Body care: Moisturizing products
- Face & Body care: Anti-aging products
- Skin care: After sun products

Recommended use level: 1-4%

Formulation: Water miscible. Incorporation during the cooling phase (<40°C). Temperatures of up to 60°C for a short time do not affect the stability

Quality & Sustainability

Green Mountain Biotech is committed to minimizing its impact on the environment by sustainable sourcing and responsible use of resources. This includes awareness of the importance of plant biodiversity and conservation, and sensitivity to the communities who grow the medicinal herbs. In our own operations,

We use manufacturing and packaging materials as efficiently as possible, recycling solvents, and disposing of waste in an environmentally appropriate manner. Botaniplex™ products are COSMOS approved as genuine natural cosmetics produced to the highest feasible sustainability standards.

Also available from Green Mountain Biotech

GMB Herbal Extracts.
Multifunctional botanical extracts to address skin concerns



Angelica polymorpha sinensis
root extract

Supports blood flow (microcirculation).



Glycyrrhiza glabra (Licorice)
root extract

Multifunctional agent for inflamed and aged skin



Chrysanthemum indicum flower
extract

A Natural Shield for Pollution-Stressed Skin.



Sapindus mukorossi
fruit extract (Soap Nut)

Multifunctional agent for skin cleaning.



Portulaca oleracea extract
(Purslane)

For skin burns.



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