

Technical specifications

• *LegActif 7234*

| | |
|---------------------|--|
| PROPERTIES | Blood circulation stimulator Increases blood circulation by 31% Anti-edema. Edema reduction: Reduced skin thickness by 0.45 mm. Reduced leg contour by 0.5 cm and calf contour by 0,3 cm. |
| ACTIVE MOLECULES | Goldenrod extract (rutin) Lemon peel extract (naringin and hesperidin) Butcher's broom extract (ruscogenin) |
| APPEARANCE | Liquid Color: very dark brown |
| SOLUBILITY | Soluble in aqueous solutions |
| RECOMMENDED DOSE | 0.5-1.5% |

Formulation

• *Revitalizing gel for tired legs*

| | INCI / PCPC | % (w/w) |
|---|--|---|
| A | Acrylates/ C10-30 Alkyl Acrylate Crosspolymer Glycerin Aqua (Water) Disodium EDTA Preservative | 0.40 5.00 86.05 0.10 0.80 |
| B | Triethanolamine Aqua (Water) | 0.05 1.00 |
| C | LEGACTIF™ Oleth-20 Parfum (Fragrance) Aqua (Water) Preservative | 1.50 0.65 0.30 3.00 0.50 |
| D | Triethanolamine Aqua (Water) | 0.25 0.40 |

LegActif

Natural ingredient
for the treatment of tired legs

Blood circulation stimulator

LegActif

LegActif is a complex of plant active ingredients (Goldenrod, Lemon and Butcher's broom) aimed at relieving tiredness and heaviness in the legs.

Features and benefits

LegActif is a cosmetic active ingredient effective in the treatment of tired legs. Its activity results from the combined actions of its active principles: naringin, hesperidin, rutin and ruscogenin, which stimulate blood circulation and reduce edema.

LegActif

| Component | Active principle | Main action |
|-----------------|-------------------------|------------------------------|
| Goldenrod | Rutin | Anti-edema |
| Lemon | Naringin and Hesperidin | Anti-edema |
| Butcher's broom | Ruscogenin | Blood circulation stimulator |

LegActif action mechanism



Butcher's broom
(Ruscus aculeatus L.)



Lemon
(Citrus limonum L.)



Goldenrod
(Solidago virgaurea L.)

Cosmetic applications

Products for the treatment of tired legs. LegActif stimulates blood circulation, thus relieving leg heaviness. Its anti-edema activity further provides calming, decongestant and anti-fatigue effects.

Toxicological information

This product has been evaluated according to the available toxicological information, based on safety assays and bibliographical data. These data allow the conclusion that using this ingredient, under the normal conditions for the use of cosmetics and at the recommended concentrations, is free of risks.

In Vivo

Study carried out on:

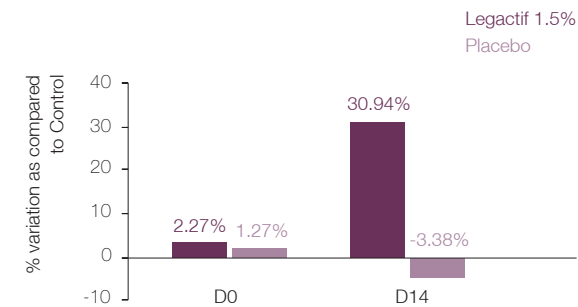
- The legs of 10 volunteers treated with LegActif 1.5% and 10 volunteers treated with a Placebo.
- Two weeks, two daily applications.

Evaluated by using:

Laser Doppler, Ultrasonography, Centimetric measurements and self-evaluation questionnaire.

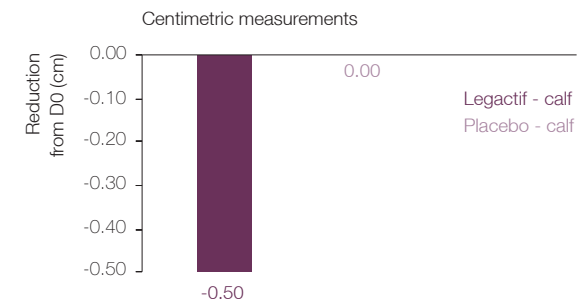
Laser Doppler measurements: clear-cut improvement in blood circulation

- Laser Doppler Flowmetry



LegActif-treated volunteers showed clear improvement in blood circulation. Blood flow increased by 31% as compared to Control.

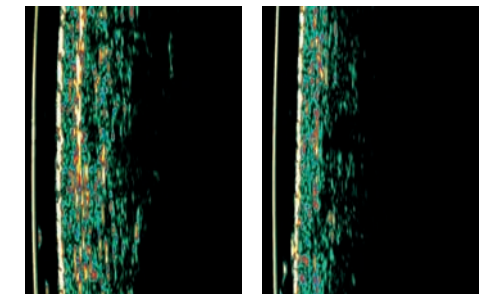
Centimetric measurements



LegActif-treated volunteers showed clear 0.5 cm reduction in calf contour.

Edema reduction

- Ultrasound images:



Initial situation

Final situation

Images correspond to one of the LegActif-treated volunteers.

LegActif reduced skin thickness by 0.45 mm, which demonstrated edema reduction.

Qualitative evaluation

Questionnaire

- **90%** of the volunteers reported immediate comfort after application.
- **80%** of the volunteers reported relief of leg tiredness.
- **70%** of the volunteers reported decongestant effect.
- **70%** of the volunteers reported long term wellness.