

PROPOLIS OLÉOACTIF® TL

Premium anti-wrinkle

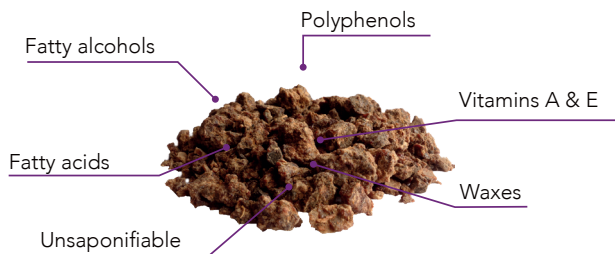
Substantiated oil-based active ingredient concentrated by
Oléo-éco-extraction patented green process

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PROPOLIS OLÉOACTIF® TL

AN INNOVATIVE, 100% FRENCH ACTIVE INGREDIENT

PROPOLIS Oléoactif® TL is an eco-designed oil-based active extracted with sunflower oil, naturally rich in linoleic acid and tocopherols. A raw propolis of guaranteed French origin traceability is selected and the active ingredient is obtained by the patented Oléo-éco-extraction technology. To produce propolis, bees collect resins located on the buds of plants and trees. Crude propolis harvested in hives is a compact and sticky material, historically impossible to incorporate in cosmetic formulations. Its biological properties and low production yield make this substance a precious and rare treasure.

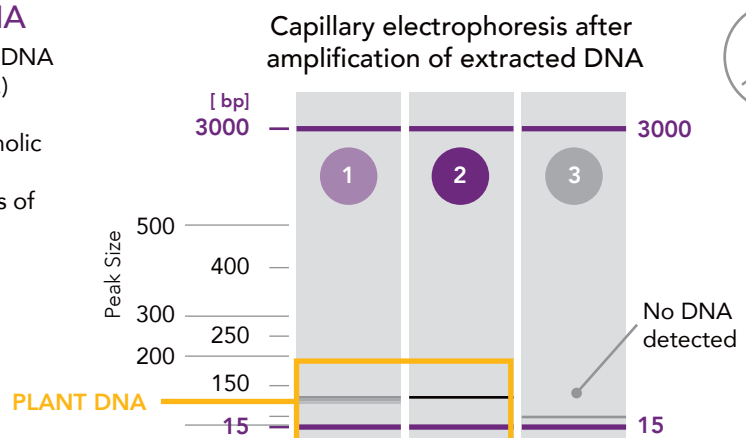


Properties of Propolis in the hive	Properties of PROPOLIS Oléoactif® TL in the skin
Fills cracks and smoothes the sides of hive cells	Fills and smoothes wrinkles
Forms a protective barrier against pathogenic microorganisms	Protects the skin against bacteria and oxidation

GENETIC STUDY - PRESERVES PLANT DNA

Thanks to the patented Oléo-éco-extraction process, the DNA footprint from propolis' botanical species (trees, flowers...) is extracted and then preserved in sunflower oil used as a green solvent. That is not the case with a traditional ethanolic extraction, which is more drastic. The transmission of this DNA signature is proof of the authenticity and naturalness of PROPOLIS Oléoactif® TL.

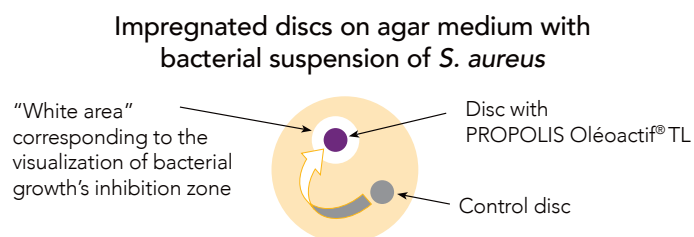
- 1 Raw propolis
- 2 Propolis Oléoactif® TL
- 3 Classical propolis ethanolic extract



HELPS TO KEEP THE SKIN HEALTHY

PROPOLIS Oléoactif® TL fights against bacterial proliferation. An increase of antimicrobial power up to +67% has been observed (versus control).

PROPOLIS Oléoactif® TL helps to keep the skin healthy and soothed.



SCAVENGES FREE RADICALS

Thanks to its powerful antioxidants' pool, including vitamin E, chrysin, naringenin, galangin, caffeic acid and quercetin, PROPOLIS Oléoactif® TL is a strong free radical scavenger. Its Oxygen Radical Antioxidant Capacity (ORAC) is 1500 times higher than the control sunflower oil rich in vitamin E.

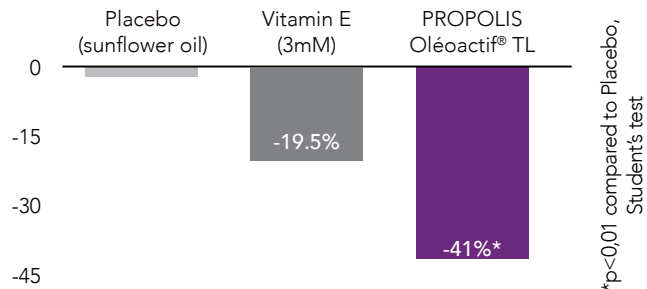


PROTECTS SKIN FROM PHOTO-INDUCED OXIDATIVE STRESS

To confirm the anti-free radical action of PROPOLIS Oléoactif® TL on skin, a study to measure the intracellular oxidative stress level through a UV_B exposure is performed on a reconstructed epidermis after a single application.

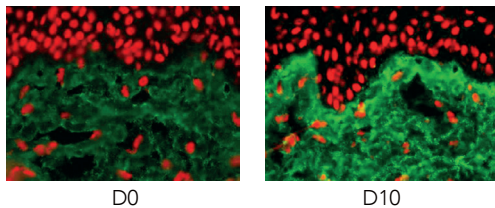
PROPOLIS Oléoactif® TL protects the cutaneous cells from photo-induced oxidative stress 5.5 times better than pure vitamin E.

UV_B-induced oxidative level of cutaneous cells (%)



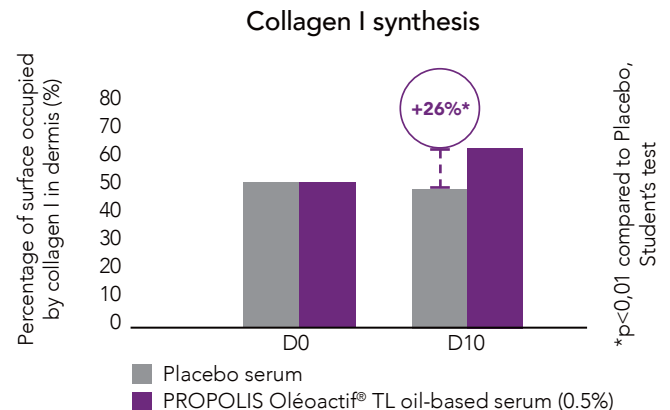
EX-VIVO STUDY (0.5%) ON COLLAGEN I SYNTHESIS

With age, collagens levels drop off due to a decrease in production and an increase in degradation. Enzymes degrade collagens and our senescent cells are no longer capable of keeping up the production pace of these proteins to cover the loss. The main consequences are the formation of wrinkles and loss of firmness. The extracellular matrix of the dermis is composed of different types of collagens. Collagen I is the main component of the collagen fibers (80-85%).



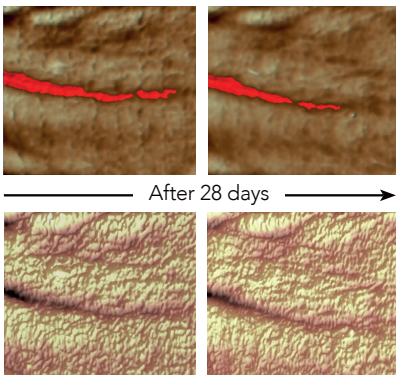
Collagen I (green) detection with immunostaining assessed under microscope observation and image analysis.

PROPOLIS Oléoactif® TL at 0.5% significantly increases collagen I synthesis by +26%, after 10 days, versus placebo, showing an improvement of skin density and firmness.



CLINICAL STUDY (3%) ON ANTI-WRINKLE EFFICACY

Wrinkle is a typical sign of cutaneous ageing, defined as a linear fold due to the dermis and epidermis slackening. The anti-wrinkle efficacy of PROPOLIS Oléoactif® TL was assessed through a clinical study (FOITS* fringe projection method) for a period of 28 days on Caucasian volunteers aged between 45 and 65 years old. They have applied a cream containing 3% of PROPOLIS Oléoactif® TL twice daily on a crow's foot and a placebo cream on the other crow's foot.



- Main crow's foot wrinkle: The depth of the main crow's foot wrinkle decreased up to -24,5%.
- Skin microrelief: The skin surface is up to 26% smoother, and wrinkles and fine lines volume decreased up to 26%.
- The skin is fuller and smoother after only one month.



*Fast Optical In vivo Topometry of human Skin

PROPOLIS OLÉOACTIF® TL

TECHNICAL AND REGULATORY DATA

INCI NAME:	Helianthus Annuus Seed Oil (and) Propolis Extract
RECOMMENDED DOSE:	0,5% - 5%
RECOMMENDED pH:	4-8
SOLUBILITY:	Liposoluble
FORMULATION:	In the fatty phase before emulsification or directly in anhydrous formulas.

SAFETY & GUARANTEE



Cytotoxic
Phototoxic
Irritant
Allergenic

GMO
Additive
Preservative
Phthalate
Chemical and
Microbiological pollutant



APPLICATIONS

- ANTI-AGING CARE
- WRINKLE FILLER
- SMOOTHING CARE
- PROTECTIVE CARE
- PURIFYING CARE
- MOISTURIZING CARE
- REPLENISHING CARE
- REDENSIFYING CARE
- PLUMPING CARE



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