SENSOLENE® Light ET

The biomimetic active emollient with a dry touch

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SENSOLENE® Light ET

Sensolene® Light ET is a revolution in the world of functional ingredients, introducing for the first time the concept of an active emollient combining superior emolliency with anti-oxidant benefits, thanks to unique, natural Oléo-éco extraction patented process. It is a multifunctional biomimetic active emollient derived from olive oil and olive leaves that gives an extremely light touch to every beauty formulation. 100% natural origin, COSMOS-approved, globally-compliant, sustainable alternative to silicones.

TECHNICAL DATA

- INCI: Ethyl Olivate, Olea Europaea (Olive) Leaf Extract
- COMPLIANCE: Global compliance including China
- COSMOS APPROVED: Natural origin index of 1 as per ISO 16128
- APPEARANCE: Yellow clear liquid
- RECOMMENDED CONCENTRATION: 0.5-5%

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CHINA APPROVED

A REVOLUTIONARY CONCEPT AND TECHNOLOGY

Sensolene® Light ET is the first active emollient unifying two concepts: the unique anti-oxidant power of olive leaves' phytomolecules and the biomimetic "dermollient" benefits of olive oil.

A SILICONE-LIKE TOUCH WITH SENSOLENE® NATURALITY AND SKIN BENEFITS

Similar to other dermollients from the Sensolene® family, Sensolene® Light ET is derived from olive chemistry; it has been designed to mimic the hydrolipidic film covering the surface of the epidermis and responsible for both skin barrier function and skin sensorial properties.

	Sensolene® Light ET	Sensolene®	Sensolene® Care DD
INCI	Ethyl Olivate, Olea Europaea (Olive) Leaf Extract	Ethylhexyl Olivate	Lauryl Olivate
Chemical Properties	Short chain alcohol Very high unsaturation (fatty acids)	Ramified chain High unsaturation (fatty acids)	Long and linear chain (alcohol and fatty acids)
Physical Properties (at room temperature)	Liquid	Liquid	Semi solid (MP < 32°C)
Sensorial Experience	Dry evanescent touch Very fast absorption Low viscosity silicones sensoriality High refractive index for hair shine	High spreadability Fast absorption Medium viscosity Silicones sensoriality	Long playtime Film forming Nourishing and soothing effect

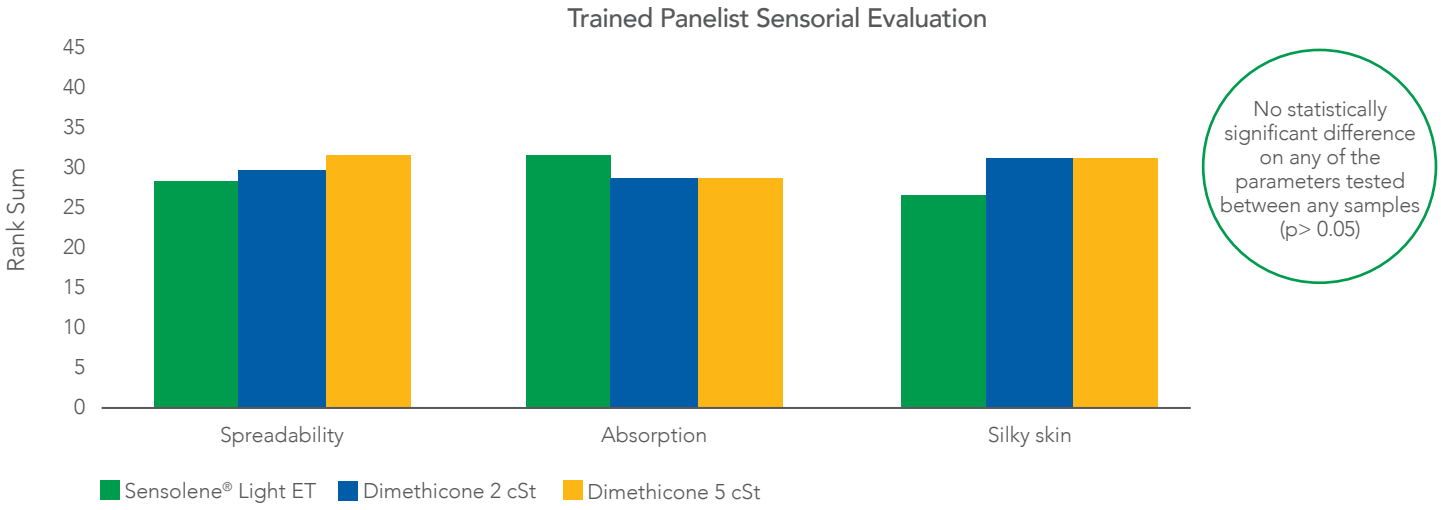
The specificity of Sensolene® Light ET is its **very light and evanescent touch**. It is easy to spread and absorbs quickly onto the skin making it a perfect candidate as a natural and sustainable alternative to low viscosity synthetic silicones.

At an external testing laboratory, 15 trained panelists compared a formulation containing 5% Sensolene® Light ET to a 5% of Sensolene® formulation containing 5% of Dimethicone 2cSt and another one with 5% Dimethicone 5cSt.

Below parameters were assessed:

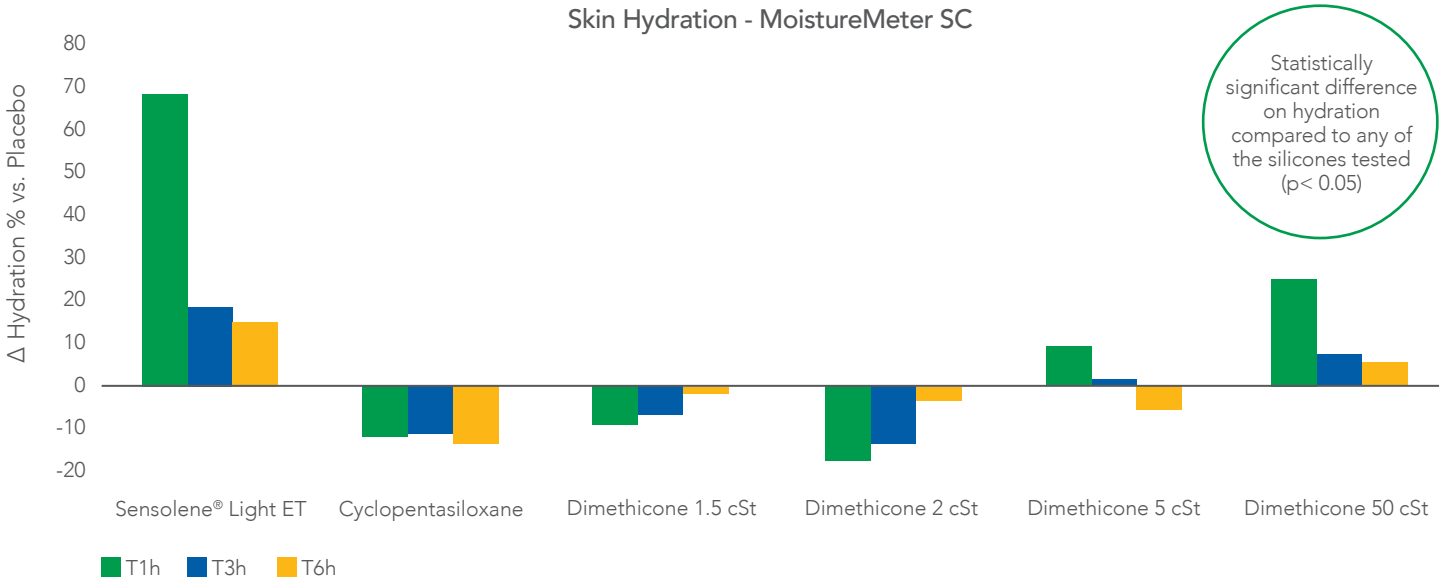
- Spreadability: ease of spreading the product on the skin without any resistance. The spreadability was assessed by spreading each sample with the index during the first 10 rotations.
- Absorption (speed): number of rotations needed to absorb the sample. The lower the number of rotations, the faster the absorption and the higher the assigned rank.
- Silky skin: after application of the sample, the skin is perceived as very smooth and is not sticky at all.

Each subject was asked to rank the samples according to an increasing degree of each selected parameter: from the less easy to spread to the easiest to spread etc.



The obtained results showed that no statistically significant difference was perceived among the samples regarding the sensorial parameters of spreadability, absorption (quickness) and silky skin, confirming that Sensolene® Light ET is the perfect natural alternative to low viscosity silicones.

Beyond the silicone-like sensorial experience, Sensolene® Light ET provides the skin hydration benefits thanks its biomimetic composition. This was confirmed by the below internal test, conducted on 12 panelists on the same formulation as the above external test:



Thanks to its biomimetic composition, Sensolene® Light ET provides superior emolliency and hydration benefits in line with the Sensolene® line properties.

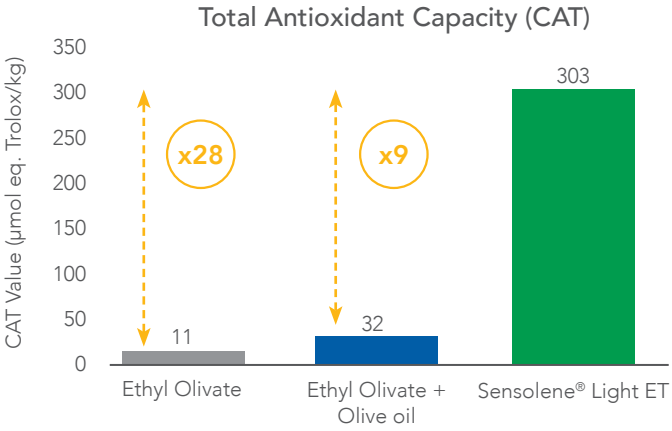
WHY IS SENSOLENE® LIGHT ET AN ACTIVE EMOLLIENT?

For the first time ever, after having designed our new biomimetic emollient for its sensorial and skin benefits properties, we innovatively used it in our patented Oléo-éco extraction process to extract olive leaves' phytocomplex. Without adding an exogenous solvent, we were able to maintain the sensoriality and add the performance of a high value extract, obtaining the unique combined properties of Sensolene® Light ET.

The presence of olive leaves phytoactive molecules in Sensolene® Light ET provides activity beyond hydration and sensoriality, with demonstrated anti-oxidant properties which are beneficial for the skin.

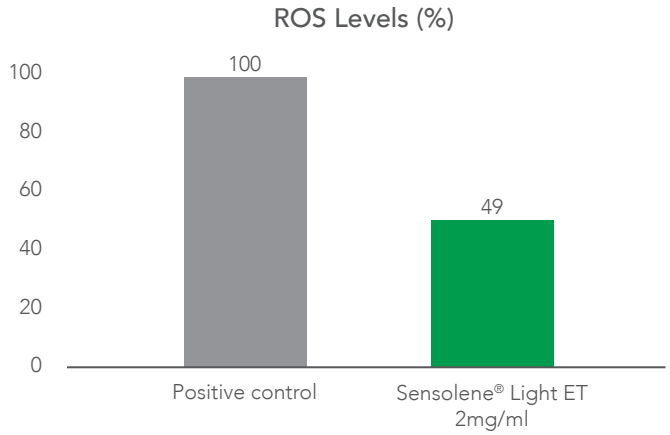
ANTI-OXIDANT BENEFITS

A CAT (Conjugated Autoxidizable Triene) test has been conducted to measure the total antioxidant capacity of Sensolene® Light ET in comparison with Ethyl Olivate without the olive leaf extract and with olive oil instead of extract.



Results confirm an increase of 28 times in anti-oxidant capacity for Sensolene® Light ET compared to Ethyl Olivate alone and more than 9 times compared to the addition of olive oil.

The bioavailability of this antioxidant capacity was confirmed through an evaluation of the activity against Reactive Oxygen Species (ROS) in human keratinocytes (HaCaT).



Absence of cytotoxicity up to 4mg/ml concentrations was confirmed prior to the actual evaluation of antioxidant activity, expressed as a percentage, after a 24-hour treatment with the product Sensolene® Light ET measuring its ability to neutralize ROS induced by treatment with hydrogen peroxide.

The above results confirm the bioavailability of the antioxidant phytomolecules contained in Sensolene® Light ET. It reduces the level of Reactive Oxygen Species (ROS) by 51% after 24 hours treatment with 2 mg/ml, confirming its activity as an anti-oxidant on top of its sensorial experience and skin hydration benefits.

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