Hair coating

The growth and appearance of hair is under the influence of different factors (hormonal, nutritional, seasonal, and environmental). Any disequilibrium leads to an alteration of the hair. It becomes dull, rough, porous and breakable. The scales of the cuticle which normally fit into each other, lift, separate and the hair become tangled. The use of nourishing molecules of the type high molecular weight polysaccharide allows for the formation of a film at the surface of the hair smoothing the scales and facilitating untangling. The simultaneous use of flavonoids induces a linkages stabilisation in and between the α helices forming the keratin (fibrous protein constituting 95% of the hair). Also, the use of free sugars, constituents of Normal Moisturizing Factor, allows for the maintenance of water in the upper layers of the epidermis of the scalp by forming hydrating complexes. The simultaneous use of all of these molecules translates into a protection and a restructuration of the hair (hair more supple, more hydrated with more sheen and volume).

COMPOSITION

ORGANIC TILICINE® is obtained from fresh Linden buds, from embryonic tissues that are in multiplication phasis. These tissues are rich in growth substances such as phytohormones, proteins and sugars. Buds constitute the most vital part of plant. Active principles are in large concentration.

ORGANIC TILICINE® is titrated in :

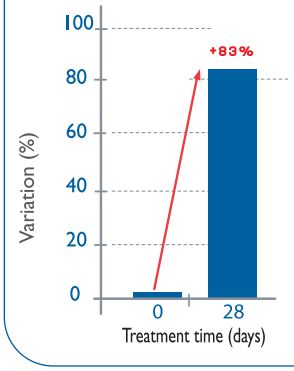
- ▶ Fructose
- ▶ Acid oses

ACTIVITIES

CLINICAL TESTS

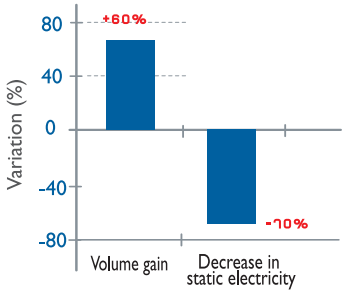
Evaluation of the effects of a shampoo containing 5% of ORGANIC TILICINE® after 28 days of 3 times/week application

■ Hydration gain (by Hydraskan)



ORGANIC TILICINE® allows to moisturize hair: + 83% .
ORGANIC TILICINE® allows to moisturize epidermis* and then scalp : +33%, 1h after application.
(hydration gain measured with Dermalab).

■ Sensory test (15 volunteers)



60% of volunteers have noticed hair volume increase.
70% of volunteers have noticed a static electricity reduction.

- INCI NAME : Water, Glycerin, Tilia Tomentosa Bud Extract.
- PRESERVATIVES : Potassium sorbate, Sodium benzoate
- CAS N° : 7732-18-5, 56-81-5, 94167-04-1, 231-791-2, 200-289-5, 303-402-7
- EINECS N° : 231-791-2, 200-289-5, 303-402-7

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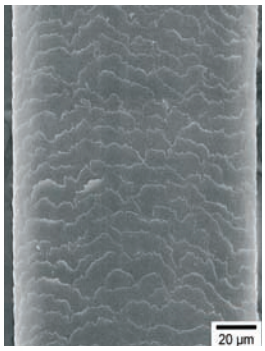
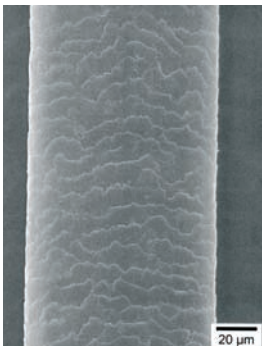
EX-VIVO CLINICAL TEST

Visualization of hair surface aspect under a microscope after ORGANIC TILICINE® application

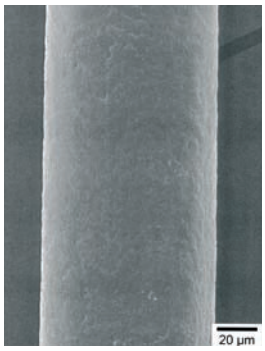


Hair 1 taken on untreated lock (x700)

Hair 1 taken on treated lock by ORGANIC TILICINE® 25 (x700)



Hair 2 taken on untreated lock (x700)



Hair 2 taken on treated lock by ORGANIC TILICINE® 25 (x700)

Rich in biopolymers, ORGANIC TILICINE® forms a film on hair, reducing water loss at hair level, protecting cuticle and implying a porosity reduction at marrow level. Hair is then better hydrated, protected and smoother against UV, wind and dry atmospheres.

ORGANIC TILICINE®

- Forms a protective film on hair
- Increases hair volume
- Moisturizes hair and skin
- Reduces static electricity

COSMETIC USES

- ✓ Coating shampoo
- ✓ Dry hair shampoo
- ✓ Nourishing shampoo
- ✓ Shower gel 2 in 1
- ✓ Styling gel

FORMULATIONS

• USE LEVEL

1 to 5%

• CAUTION FOR USE

Add at the end of cold preparations and at 35-40°C for emulsions, while cooling.

TECHNICAL DATA

CHARACTERISTICS

Organoleptic :	Appearance : Liquid Color : Yellow to amber Smell : Characteristic
Solubility :	Water : Soluble Alcohol : Partially soluble
pH :	3.4 - 4.0

TOLERANCE TESTS

Eye irritation : Slightly irritant

Skin irritation : No irritant

STORAGE

Store protected from light in their original packaging and at room temperature (15-25°C).
Any container that has been opened should be rapidly used or repacked in sterile packaging.

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