

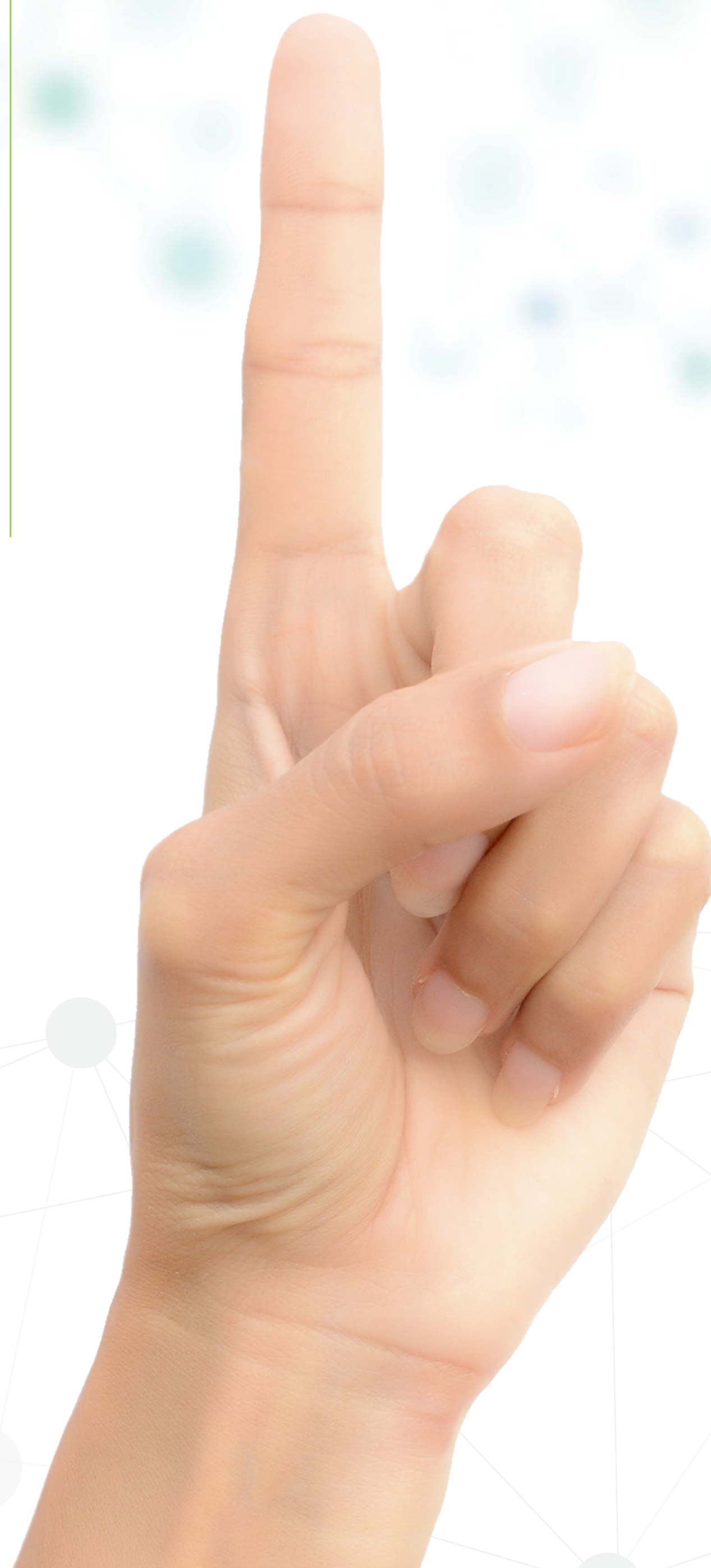
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ethic**  
Applied BioScience

## Top Selling Product List

Il listino qui riportato non è esaustivo.  
Il nostro elenco prodotti  
viene spesso aggiornato.  
In caso di richieste particolari su prodotti  
o su attività cosmetiche non presenti in  
queste pagine, contattateci agli indirizzi:  
[info@naturethic.es](mailto:info@naturethic.es)  
[info@pharmacosm.it](mailto:info@pharmacosm.it)



## Innovation in green



Distributore esclusivo  
per l'Italia:

PHARMA COSM POLLI SRL  
Via Palermo, 9  
20090 Assago  
(MILANO) Italia  
[www.pharmacosm.it](http://www.pharmacosm.it)

NATURETHIC SL  
9, Can Cabanes  
08918 Rubi  
(BARCELONA) Spain  
[www.naturethic.es](http://www.naturethic.es)



# natur ethic

Applied BioScience

EN



**-40%**  
heavy metals reduction  
in 24 hours

## Anti-pollution Ferment Natural evolution in a toxic world

Ancient, natural technology  
against modern Air pollution

**in vivo Studies**  
Antioxidant effect on skin  
Heavy metals reduction  
2.5µm particle filtering

**Dosage**  
0.5 %

**Regulatory**  
EU, FDA, JP  
CH, KR



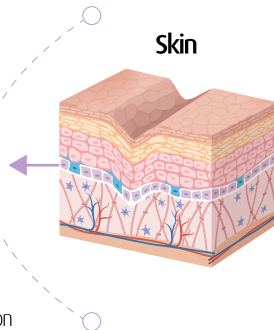
Air pollution is associated with adverse health effects and a major concern to dermatologists.

In many cases, **the percutaneous absorption is equivalent to the respiratory uptake**, emphasizing how important it is to recognize skin absorption in toxicology exposures. **Three major categories of pollutants can exert deleterious effects on the skin and the hair: gases, heavy metals and particles** (that are combustion residues onto which are absorbed very many organic compounds)

### Environmental Air Pollution

Effects on skin

- **Heavy Metals** → Skin irritation  
Inflammation  
Allergies
- **Gases (O<sub>3</sub>)** → Oxidation
- **Air Dust (PAHs)** → Skin irritation  
Inflammation  
Polycyclic Aromatic Hydrocarbons
- **Particulate Matter** → ROS generation  
MMP generation  
Collagen degradation



Efficacy against pollution harmful effects

- Anti-inflammatory effect  
Reduces heavy metals toxicity
- Free radical scavenger  
Protection against  
lipoxidation  
ATP synthesis booster
- Antioxidant  
Absorbs heavy metals  
Anti-inflammatory effect  
Collagen synthesis

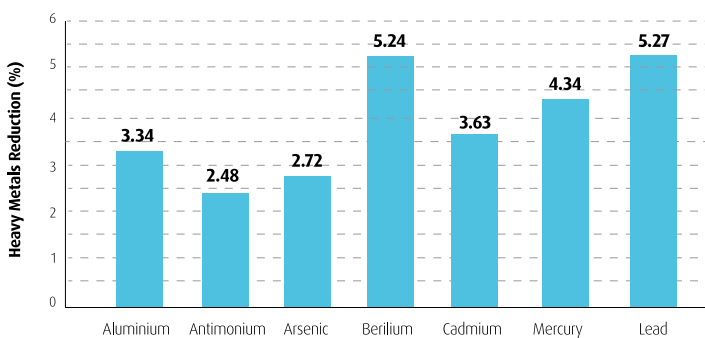
### Anti-Pollution Ferment Active Ingredients

- **Moringa Olifera** (Extract)
- **Lapsana Communis** (Extract)
- **Bacopa Monnieri** (Extract)
- **Pichia Ferment**

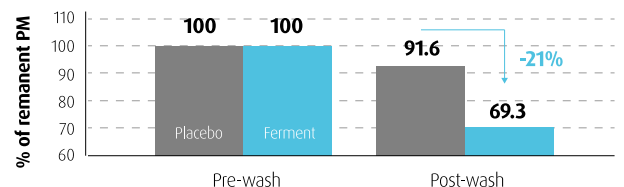
### Efficacy\* (in vivo)

\* Additional in vitro and in vivo studies available

#### Reduction of heavy metals after 24 hours (1 application)



#### Protection against Particulate matter (2.5µm)



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**Product code:** FE0002

**INCI Nomenclature:** GLYCERIN, PICHIA FERMENT LYSATE FILTRATE, BACOPA MONNIERI EXTRACT, LAPSANA COMMUNIS FLOWER/LEAF/STEM EXTRACT, MORINGA OLIFERA SEED EXTRACT **Additives:** NONE



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# eCapsules® ADC

## Anti-dark circles

Infusing radiance into the eye contour

### Dark Under-Eye Circles (DUEC)

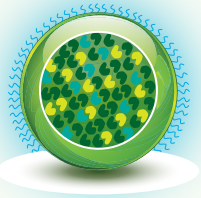
Dark circles are often referred to as **periorbital hypermelanosis**, reflecting the prominent role that **hyperpigmentation** plays in the **etiology of DUEC**. The two major causes of dark circles are: pigmented melanin (brown circles) and poor micro-circulation (blue circles).

### Mechanism

eCapsules ADC® defies dark circles by helping to visibly fade existing pigmentation. By disposal and scavenging of Heme group which is essential in the removal of dark circles under the eyes and, additionally, improving skin micro-circulation.

Chlorella Vulgaris extract is a key inducer of the HO-1 that stimulates Heme group degradation.

### Capsule structure



- Cocoa butter**  
Antioxidant, anti-inflammatory
- Ascophyllum nodosum extract**  
Boosts skin microcirculation
- Vitis vinifera (Grape) seed oil**  
Antioxidant, free radical scavenger
- Chlorella Vulgaris extract**  
Antioxidant, improves skin microcirculation

### in vitro key studies

Stimulation of HO-1  
Antioxidant activity

### Technology

eCapsules®



### in vivo efficacy

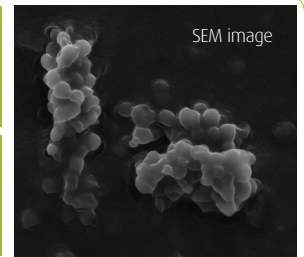
15 Caucasian females  
35-60 years old  
2 applications per day  
Active or placebo  
Data at D0 & D28

### Dosage

2% liquid suspension

### Regulatory

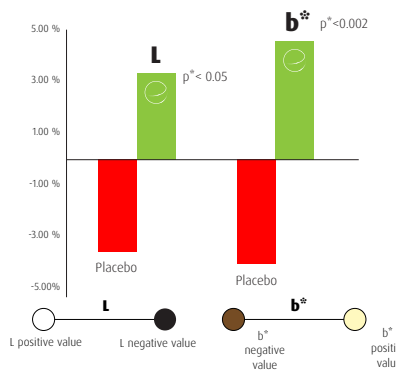
EU, FDA, JP  
CH, KR



### 1 Lightening effect

Values of L and b\*

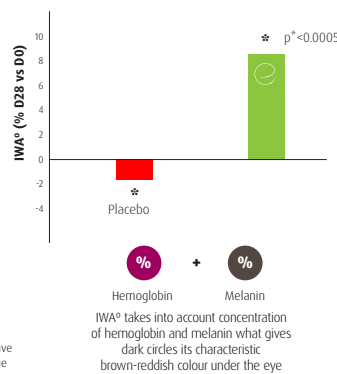
Higher L, lighter skin. Higher b\*, fairer skin



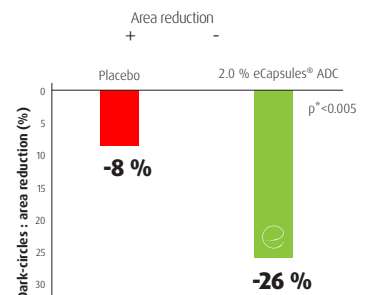
### 2 IWA°

Individual Whiteness Angle

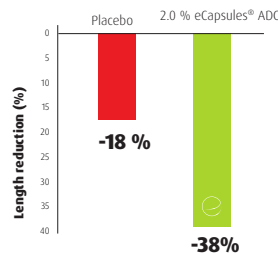
The higher IWA° value, the lighter the skin is.



### 3 Dark circles reduction



### 4 Anti-wrinkle effect



### 5 DUEC reduction (colour)



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Capsules

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# Healerine®

## Nature's ancient elixir to healing

### Biofermented Skin Care

Speed up skin's natural re-epithelization, regeneration, healing properties and avoid further imperfections and residual marks

**6** UP TO  
DAYS

Quicker Skin Regeneration  
After Injury

**Antiaging**

Accelerated Skin Healing  
Skin Imperfections  
Residual Marks

**RE-EPITHELIZATION**  
Regeneration, regrowth  
of thin epidermal layer



### B2B information

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info@naturethic.es



[naturethic.es](http://naturethic.es)

**Healerine® is a cosmetic ferment. A solution obtained from Ganoderma Lucidum (Reishi) fermentation, a rare fungi with amazing healing properties used in Asian traditional medicine for more than 2000 years. It speeds up natural epidermal regeneration (epithelization) up to 6 days (time to recover skin barrier function after injury), improves skin integrity and increases optimum moisturizing levels in skin.**

FERMENT FILTRATE

REISHI : THE ELIXIR OF SKIN



Ganoderma Lucidum (Reishi) Mushroom

**RICH CHEMICAL COMPOSITION**

**1. Triterpenes :**

Precursors of cell membrane molecules  
Improve and support skin barrier function

**2. β-glucans :**

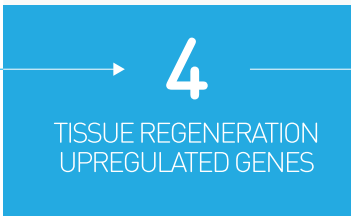
Antioxidant effect. Wound healing  
Moisturizing activity

**3. FIP (Fungal Immunomodulatory Proteins) :**

Support correct immune system response

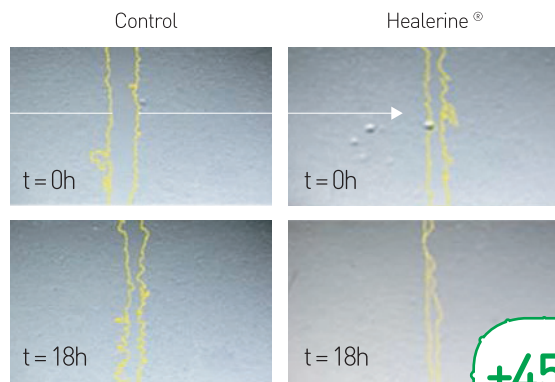
GENE EXPRESSION

Technique : DNA Microarray



TISSUE REGENERATION BOOSTING CAPABILITY

RE-EPITHELIZATION



IN VITRO RELATIVE WOUND HEALING

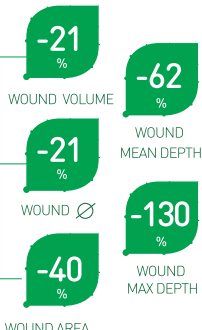
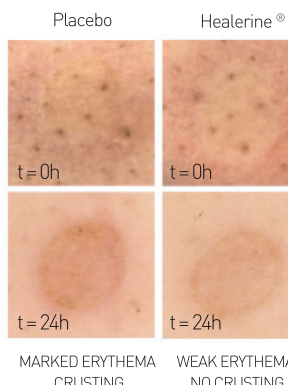
**+45%**

Technique: Human keratinocytes (Monolayer). Positive control : EGF Scratch Protocol (2mm scratch)  
Concentration : 0.1% Healerine® t = 18 hours. Pictures and image analysis

IN VIVO STUDIES

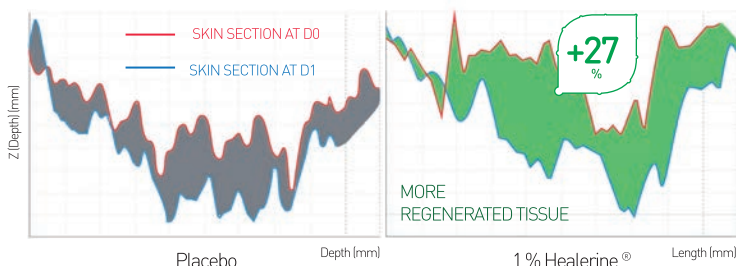
**1. WOUND HEALING (Injury induced by laser)**

Technique : 10 μm depth and 5mm wide.  
Controlled by placebo. Laser ablative lesion images.



**2. SKIN MICROSTRUCTURES 3-D ANALYSIS**

Technique : 3D Image Analysis with FOITS (Fast Optical In vivo Topometry of human Skin)



**3. SKIN BARRIER FUNCTION RECOVERY AFTER INSULT (Placebo controlled)**

Technique : SLS Patch test reaction . Chemical : 2% SLS (24 h exposure)

**PRODUCT DESCRIPTION**

INCI : WATER (AQUA), GANODERMA LUCIDUM EXTRACT, GLYCERIN, PROPANEDIOL, XANTHAN GUM

Additives : 1,2-HEXANEDIOL, CAPRYLYL GLYCOL

Appearance : Whitish to ivory viscous suspension

Solubility : Dispersible in water and in O/W, W/O emulsions

Formulation : It should be incorporated at the end of the formulation at a temperature <40°C

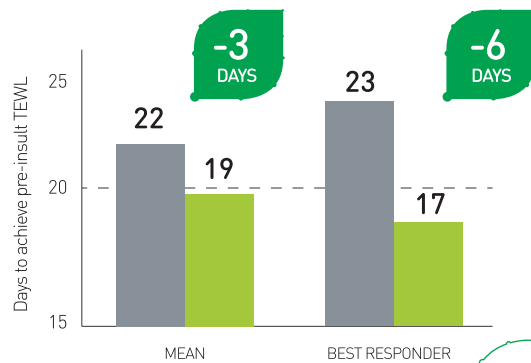
Recommended dosage : 1%

pH : 4.0 - 8.0



**Skin Re-epithelization**

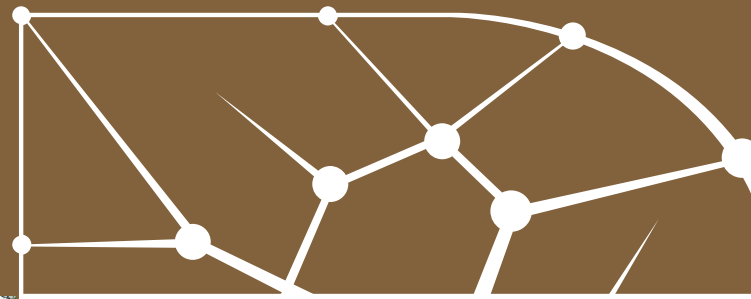
(time to recover skin barrier function = D0)



AVERAGE TEWL REDUCTION AFTER 28 DAYS DUE TO IMPROVED RE-EPITHELIZATION

**+25%**

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## PH4 Natural Lifting Ferment

Hidden Beauty Secrets of Yosemite

**A natural and visible skin firming effect**

**Technology**  
Fermentation

**in-vivo study**

Skin firming  
Skin texture / roughness  
Elasticity  
Digital photography

**Dosage**  
0.5 %

**Regulatory**

EU, FDA, JP  
CH, KR



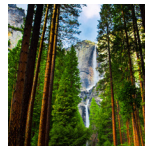
### Fermentation

It has been well documented that extracts from yeast fermentation have demonstrated wound healing properties

Fermentation is one of the best ways to provide our skin with a countless bioavailable molecules, such as amino acids and antioxidants \*\*

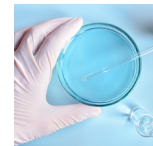
\*\* This fascinating combination of nutrients in the extract improves the firmness, the elasticity and the texture of the skin contributing overall to a better condition of the tissue and an improved appearance, giving your skin the essential for an instant beauty

### ① Strain origin



The strain was found at the Yosemite National Park (CA) U.S. Rich in biological diversity, it is considered a scientific laboratory of hydrology, geology and glaciology, amongst other sciences. It is home of sequoia groves and other centennial trees.

### ② Culturing yeasts



PH4 Ferment is obtained by high-quality yeasts culture, and developed to give nutrients, vitamins, amino acids and enzymes to skin.

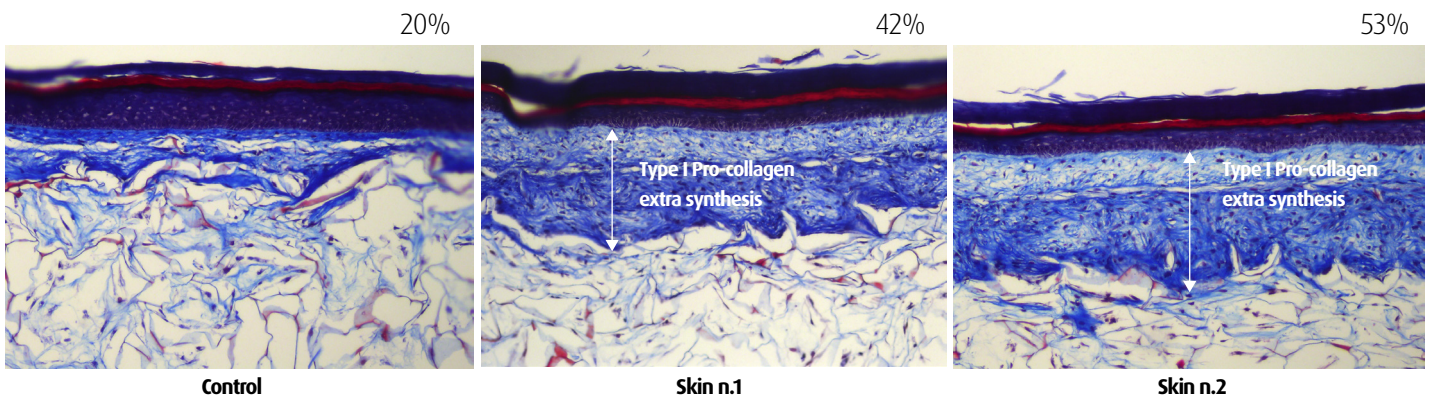
### ③ Science applied to strains

PH4 Ferment is treated under optimum cultured conditions to improve skin's elasticity due to its potent effect on collagen synthesis.

PH4 (Prolyl 4-Hydroxylase) enzyme is what makes this yeast unique, because (not only) stimulates collagen fibers synthesis, but also improves their stability. In collagen and other related proteins, PH4 catalyses 4-hydroxyproline formation which is essential in new-born pro-collagen chain's tri-dimensional folding and assembly.

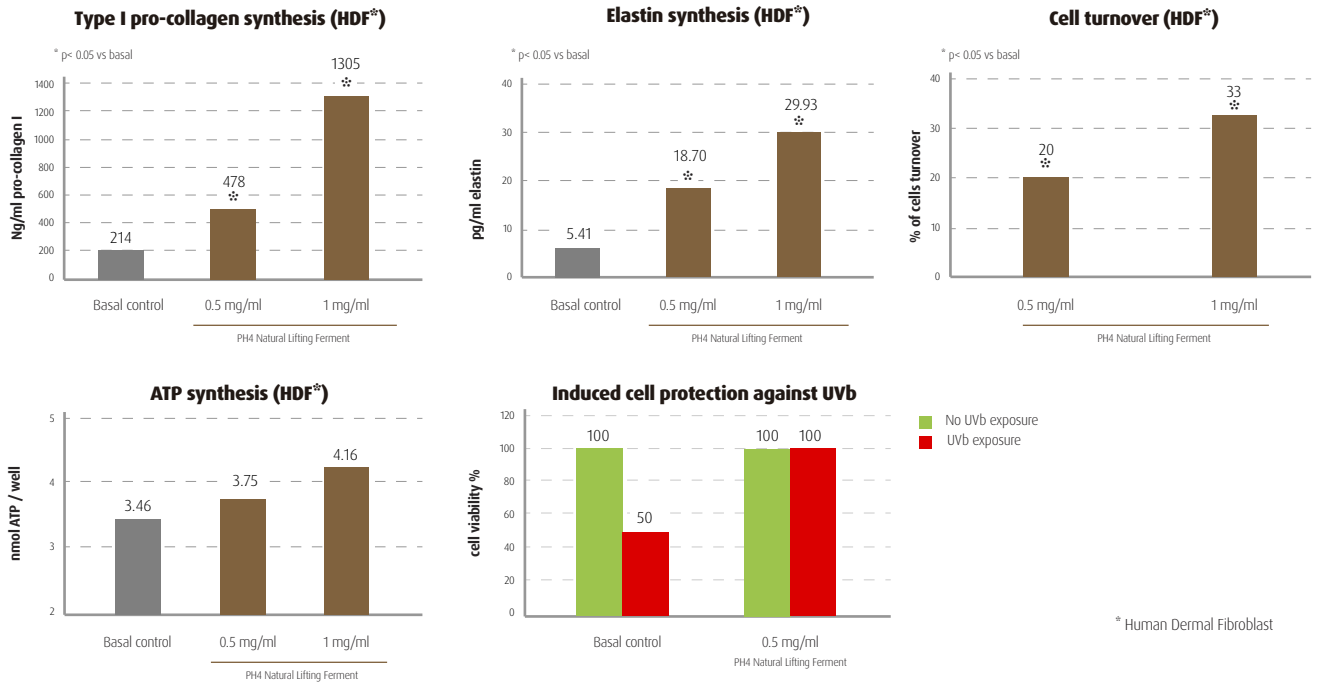
### ④ ex-vivo test: effects of skin (reconstructed)

3 days application (10µl 0.5%/skin) + 3 days incubation. Results expressed in type I pro-collagen (blue staining)





5 **in-vitro test: effects on collagen, elastin & ATP synthesis by HDF<sup>®</sup>. Cell turnover and protection**



5 **in-vivo test: skin firming effect, elasticity and skin texture. Digital photography**

**Clinical study design:** In-use, pre-established randomized pattern, double-blinded, comparative, placebo-controlled study.

**Formulation A (0.5% active) versus Formulation B (placebo)**  
Half-face and neck application, twice daily (morning and evening)

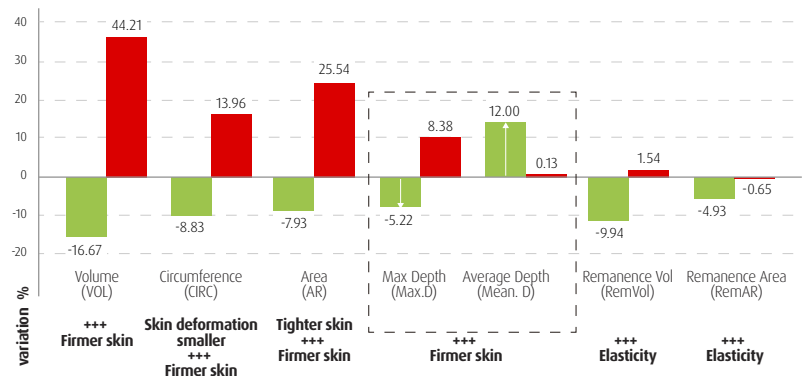
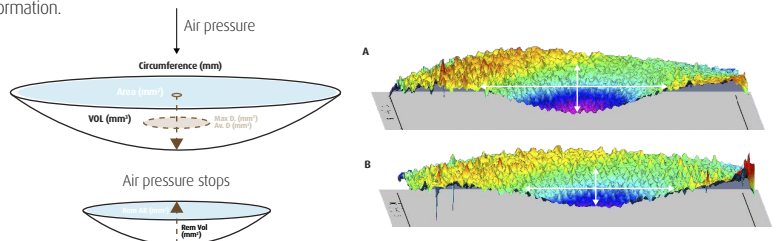
**Clinical evaluation:** 28 days and 20 subjects (healthy women)  
34-69 years old

**Evaluation performed using :**

- Clinical Photography
- FOITS Texture Analysis (Fast Optical In vivo Topography of Human Skin)
- DynaSkin (Firmness and Elasticity Evaluation)

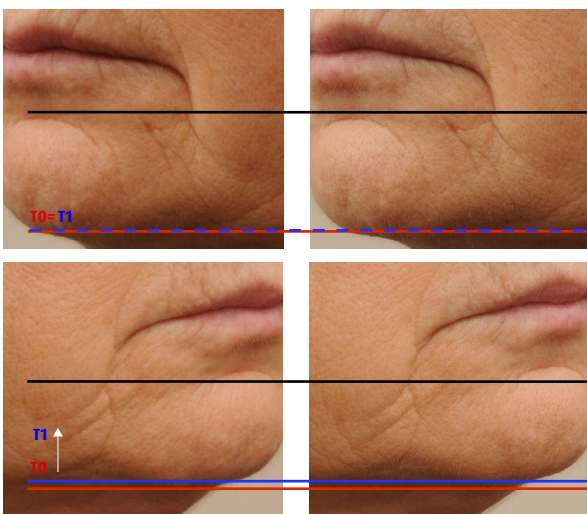
**Skin firmness and elasticity analysis (Dynaskin technique)**

**Protocol:** The principle of this technique consists in blowing a pressured-controlled airflow over the skin (2g in this case) in order to cause a deformation in the skin that will be proportional to its firmness (the firmer a tissue the less it is deformed by a constant force). This is carried out during the FOITS analysis, thus obtaining a 3D capture of the deformation.



**Conclusions:**

9 out of the 11 evaluated parameters presented a statistically significant or very significant improvement after only 28 days, including the main ones for each category, therefore we can conclude that PH4 Natural Lifting Ferment in a cosmetic formulation improves the firmness, the elasticity and the texture of the skin contributing overall to a better condition of the tissue and an improved appearance.



**Product data :**

**Code:** FE0001 **INCI Name:** GLYCERIN, PICHIA FERMENT LYSATE FILTRATE **Additives:** NONE  
**Typical properties:** **Appearance :** Clear liquid solution **Colour :** Colourless to yellowish **Odour :** Characteristic  
**Solubility :** Soluble in water **pH :** 5.5 -7.5 **Recommended Use Level :** 0.5% **Protein content level :** 0.7 - 0.8 mg/ml

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## **NaturAqua** **Deep hydration**

Provides continuous hydration  
and helps improve  
skin's water retention

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**NaturAqua ensures instant, deep and long-lasting hydration. Specifically developed to deeply hydrate and sooth both skin and the scalp**

● **Clinical evaluation of the moisturizing efficacy of a cosmetic product on 20 volunteers (in vivo short and long term test)**

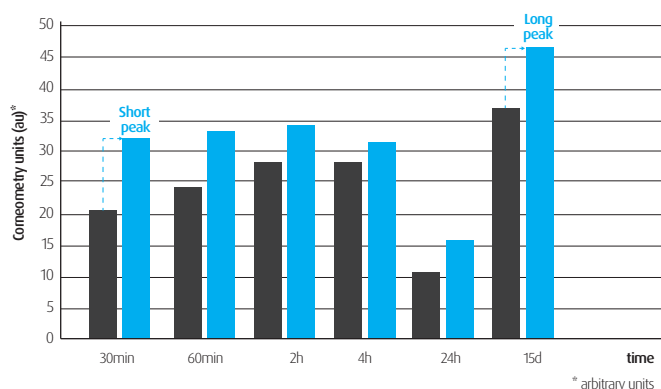
**Short term data:** 30 min, 60min, 2h and 4 h (1 single application)

**Long term data:** 15 days (2 daily applications)

**% VARIATION vs. T0**

Mean of the percentage variation vs. T0

time	Placebo	vs	3% NaturAqua
T30min vs T0	20,81%		31,99%
T1h vs T0	24,09%		33,03%
T2h vs T0	27,86%		34,63%
T4h vs T0	24,72%		31,20%
T24h vs T0	10,34%		15,51%
T15 vs T0	37,04%		46,12%



● **Product data (NaturAqua - Code SP0007)**

**Inci Nomenclature :**

SACCHARIDE ISOMERATE, WATER (AQUA), CITRIC ACID, SODIUM CITRATE.

**Additives:**

NONE

<b>Aspect :</b>	Viscous liquid
<b>Colour :</b>	Yellowish to slightly amber
<b>Odour :</b>	Characteristic
<b>pH :</b>	4.00 – 5.00
<b>Dry residue (%) :</b>	52 – 55
<b>Solubility :</b>	Soluble in water
<b>Relative density (g/ml):</b>	1.240 – 1.255

## NaturAqua Deep hydration

Provides continuous hydration and helps improve skin's water retention

### The importance of water in skin

The skin plays a very important part in the health of the human body and water plays a key role in the maintenance of healthy skin. The epidermis, especially the stratum corneum, protects against water loss, serves as a barrier preventing entrance of microorganisms, and has an acidic pH ranging from 4 to 6.5.

Keeping your skin well hydrated is a two part process - external application of high quality, natural skin care products such as moisturising creams and - internally, drinking plenty of water each and every day.

**Avoiding dry skin is therefore one of the key elements in good basic skin care. Dry skin can also make you more prone to scaling, cracking, irritation, eczema and infections.**

● **Uses and dosage**

NaturAqua is a cosmetic ingredient for personal care products. NaturAqua can be processed either with warm (< 60°C) or cold, and should be incorporated into the aqueous phase of a cosmetic formulation.

For **skin care preparations**, the addition of **1 to 5% NaturAqua** is recommended and for **hair applications** we recommend **0.2% in shampoo and 0.5% in conditioner /treatments**.



## **NaturBody** **Natural shape**

Conjugated linolenic acid (CLA)  
for slimming applications

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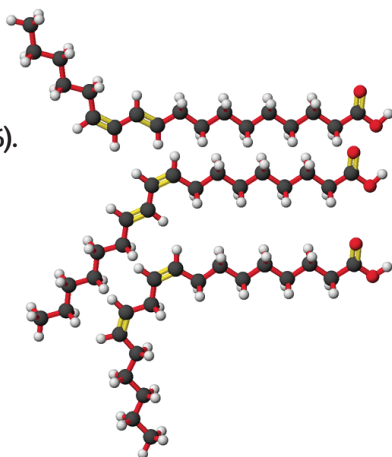
## NaturBody Natural shape

Conjugated linoleic acid (CLA)  
for slimming applications

**NaturBody is a beige-colored nano-emulsion for cosmetic products containing a combination of conjugated linoleic acids (CLA) obtained from sunflower and safflower extracts by a proprietary.**

NaturBody interacts with the lipid formation pathway and keeps the amount of stored lipid at a normal range by reducing lipid uptake and lipid accumulation in the adipocytes <sup>1</sup>

**CLA refers to a group of 8 isomers which are structurally similar to Linoleic Acid (also known as Omega-6). Inhibits the activity of the enzyme lipoprotein lipase that breaks down fat particles in the body.**



### CLA and slimming regulation

Conjugated Linoleic Acid (CLA) is already consumed as dietary supplements for weight loss. NaturBody is a plant-derived new cosmetic active based on standardized amount of CLA.

Conjugated linoleic acid (CLA) refers to a naturally occurring group of dienoic derivatives of linoleic acid that are able to reduce the size of lipid droplets and their amount in adipocytes, thus, giving a better and smoother look to skin appearance.

(1) Conjugated Linoleic Acid Induces Human Adipocyte Delipidation. Autocrine/paracrine regulation of mek/erk signaling by adipocytokines\*  
J. Mark Brown, Maria Sandberg Boysen, Soonkyu Chung, Okwotayin Fabiyi, Ron F. Morrison, Susanne Mandrup, and Michael K. McIntosh  
From the Department of Nutrition, University of North Carolina at Greensboro, Greensboro, North Carolina 27402-6170 and the Department of Biochemistry and Molecular Biology, University of Southern Denmark, Odense DK-5230, Denmark

### ● Product data (NaturBody - Code SP0037)

#### Inci Nomenclature :

WATER (AQUA), ISOMERIZED LINOLEIC ACID, LECITHIN, GLYCERIN, POLYSORBATE 80.

#### Additives:

BENZYL ALCOHOL, GLYCERYL CAPRYLATE, BENZOIC ACID, PROPANEDIOL.

<b>Aspect :</b>	Viscous liquid
<b>Colour :</b>	Milky white to beige
<b>Odour :</b>	Characteristic
<b>Dry residue (%) :</b>	4.70 – 5.70
<b>Solubility :</b>	Soluble in water
<b>Relative density (g/ml):</b>	0.960 – 1.020

### ● Uses and dosage

NaturBody is a cosmetic ingredient for body shaping products.

Important: Shake the nanoemulsion before use. Naturbody should be incorporated cold into the finished formulation at the end of the manufacturing process.

**NaturBody is not compatible with ethanol.** For **skin care preparations**, the addition of **1 to 3% NaturBody** is recommended.



## NaturBoost Youthful eyes

The solution for dark circles  
and puffy eyes

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## NaturBoost Youthful eyes

The solution for dark circles  
and puffy eyes

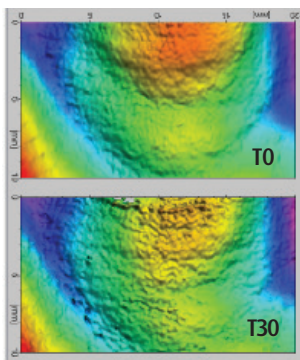
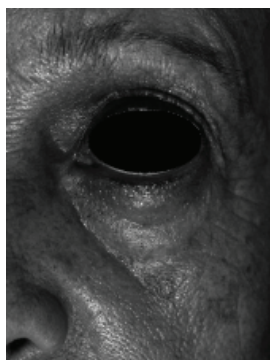
NaturBoost is a preparation of purified natural soy, rice peptides, biotechnologically manufactured superoxide dismutase blend, developed to visibly reduce dark circles and puffy eyes.

- **Placebo controlled evaluation of the efficacy of a cosmetic product in decreasing the visibility of bags under eyes and dark circles.** Gel tested at 5% NaturBoost in 20 volunteers, applied twice a day for 30 days in the eye contour area. The measurements were taken at T = 0 and at T = 30 days with an instrument called DERMA TOP-BLUE (in vivo, contactless 3D scanner specially optimized for dermatological and cosmetic purposes and enables a precise measurement and examination of human skin without the need of replicas.

- **Measurement of eyebags (puffiness) and dark circles**

	Eyebags Clinical improvement reduction (in %)		Eyebags Clinical improvement Reactive panel		Dark circles Clinical improvement Reactive panel	
	% variation T30 vs T0		Percentage of subjects with significant improvement		Percentage of subjects with significant improvement	
T30 v T0	Placebo	5% NaturBoost	Placebo	5% NaturBoost	Placebo	5% NaturBoost
	-1.1%	-2.2%	25%	45%	25%	40%

Volunteer  
MAAN738  
T0 Left eye



Volunteer  
MAAN738  
T30 Left eye



- **Product data (NaturBoost - Code SP0011)**

**Inci Nomenclature :**

WATER (AQUA), GLYCERIN, HYDROLYZED RICE PROTEIN, GLYCINE SOJA (SOYBEAN) PROTEIN, SUPEROXIDE DISMUTASE, SODIUM DEXTRAN SULFATE..

**Additives:**

PHENOXYETHANOL, SODIUM BENZOATE, POTASSIUM SORBATE

**Aspect :** Aqueous solution  
**Colour :** Yellow to amber  
**Odour :** Characteristic  
**pH :** 4.00 – 6.00  
**Solubility :** Soluble in water

- **Uses and dosage**

NaturBoost is a cosmetic ingredient for skin care products. NaturBoost should be incorporated into the formulation at temperatures below 40°C and is incorporated into the aqueous phase of a cosmetic formulation.

**For skin care preparations,** the addition of **2 to 5% NaturBoost** is recommended.



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# NaturCol Marine Collagen

Hydrating film properties  
for an intensive  
anti-aging effect

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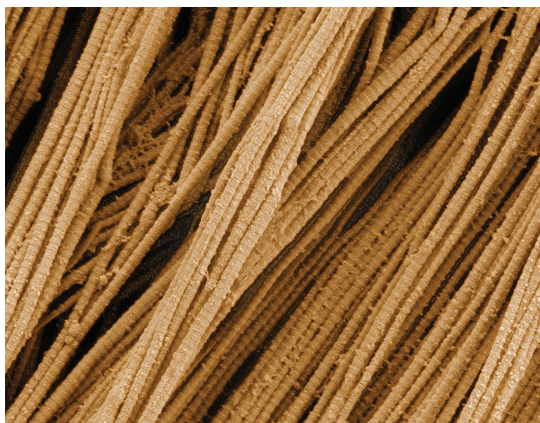


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**NaturCol's marine soluble collagen\* provides skin protecting properties and excellent moisturizing properties in topical products. Gives a unique skin-feel and works as a water reservoir on the skin.**

\* 3 % soluble collagen from marine origin

Collagen occupies the most important role among the structural proteins of our body . It consists of long protein chains that wind up three to three to form a very robust and compact triple helix structure. Collagen fibers are the main constituent of connective tissue that plays a structural role in protecting and supporting tissues.



Scanning electron microscopy of collagen fibers  
Source : National Institute of General Medical Sciences (NIGMS) U.S.

## ● Product data (NaturCol - Code SP0020)

### Inci Nomenclature :

WATER (AQUA), SOLUBLE COLLAGEN, CITRIC ACID.

### Additives:

SODIUM BENZOATE

<b>Aspect :</b>	Clear to slightly turbid viscous solution
<b>Colour :</b>	Colourless
<b>Odour :</b>	Characteristic
<b>pH :</b>	3.40 - 3.80
<b>Solubility :</b>	Soluble in acidic water solutions

## NaturCol Marine Collagen

Hydrating film properties  
for an intensive  
anti-aging effect

### Essential collagen, Marine origin

The processed collagens used in cosmetic formulations, shampoos and conditioners are primarily used in for their film-forming, substantive plumping and humectant (moisturising) properties.

The word collagen comes from two Greek terms: kolla meaning "glue" and gen meaning "producing."

It makes sense that collagen has glue-like properties considering the role it plays in biology. It is a type of connective tissue that helps other structures "stick" together.

In skin, collagen is part of the matrix that keeps it firm and plump and most people know that when skin loses collagen, wrinkles are developed.

**With NaturCol and its marine soluble collagen molecules a hydrating film is built on the skin surface, fine lines are smoothed out and make skin more even.**

## ● Uses and dosage

NaturCol is used for skin care products. NaturCol should be processed below 30°C and incorporated into the aqueous phase of a cosmetic formulation. It is incompatible with quats.

**For skin care preparations,** the addition of **1 to 5% NaturCol** is recommended.

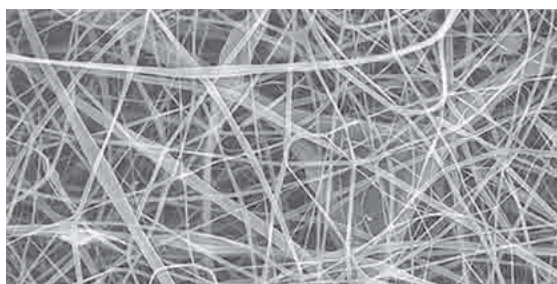
## NaturElast Protective film

High protection and skin hydration,  
contrasts the process of premature aging  
and gives a soft and velvety appearance





**NaturElast provides a natural protein layer of protection with excellent smoothing properties and substantivity to skin. It is used in skin, body and hair care products.**



Elastic fibers account for only 2% of the dermal connective tissue. They consist of a protein macromolecule, Elastin, immersed in glycoprotein fibrils. Elastin is synthesized in the form of a large molecule with 70,000 Dalton Molecular Weight.

The braided structure thickly Elastin, in order to be used in cosmetics, must be partially hydrolyzed. The Hydrolyzed Elastin is a protein derivative with high protective and moisturizing activity.

## NaturElast Protective film

High protection and skin hydration, contrasts the process of premature aging and gives a soft and velvety appearance

### Why NaturElast is used?

Hydrolyzed elastin is extremely useful and highly recommended for dry skin and also those who have mature skin that looks lifeless and listless. It is in a much better position to penetrate the epidermis and goes a long way in helping maintain moisture levels and also improve the overall suppleness of the skin.

It plays a big role in helping retain water on the surface of the skin. Hence when used with cosmetics it could work out very well for those who are on the move during winter where the moisture in the atmosphere drops very significantly.

It works synergetically with hydrolyzed collagen, and has been documented to prevent and counteract premature loss of elasticity to restore a young and smooth appearance to the skin.

### ● Product data (NaturElast - Code SP0021)

#### Inci Nomenclature :

WATER (AQUA), HYDROLYZED ELASTIN, ETHYLHEXYLGLYCERIN.

#### Additives:

PHENOXYETHANOL

<b>Aspect :</b>	Clear solution
<b>Colour :</b>	Light yellow to; amber
<b>Odour :</b>	Characteristic
<b>pH :</b>	5.00 - 6.00
<b>Dry residue (%) :</b>	9.5 - 11
<b>Solubility :</b>	Soluble in water
<b>Specific gravity (g/ml):</b>	1.025 - 1.035

### ● Uses and dosage

NaturElast is a cosmetic ingredient for personal skin care products. NaturElast can be processed either with warm or cold, and should be incorporated into the aqueous phase of a cosmetic formulation.

For **skin care preparations**, the addition of **1 to 5% NaturElast** is recommended.



## NaturFilm Skin protector

Plant-derived hyaluronic acid  
for to improve skin hydration  
and water retention

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Natur Film forms a visco-elastic film on the skin that improves skin smoothness and softness with remarkable end-feel

● **Clinical evaluation of the moisturizing efficacy on 20 volunteers (in vitro short and long term test skin hydration and TEWL reduction)**

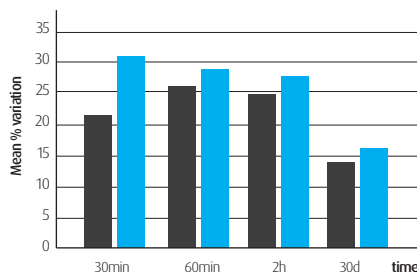
**Short term data:** 30 min, 60min, 2h (1 single application)

**Long term data:** 30 days (2 daily applications)

**Hydration Values**

Mean of the percentage variation vs. T0

time	Placebo	vs 4% NaturFilm
T30min vs T0	21,95%	30,27%
T1h vs T0	26,08%	27,90%
T2h vs T0	24,86%	26,73%
T30 vs T0	13,93%	16,18%

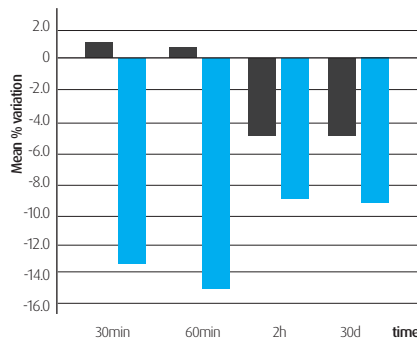


**Equipment:** Corneometer CM285

**TEWL reduction (water retention ability)**

Mean of the percentage variation vs. T0

time	Placebo	vs 4% NaturFilm
T30min vs T0	1.00%	-13.49%
T1h vs T0	0.82%	-14.92%
T2h vs T0	-4.77%	-8.53%
T30 vs T0	-4.78%	-8.95%



**Equipment:** Tewameter CM300

● **Product data (NaturFilm - Code SP0008)**

**Inci Nomenclature :**

WATER (AQUA), CERATONIA SILIQUA GUM, CITRIC ACID, ETHYLHEXYLGLYCERIN.

**Additives:**

PHENOXYETHANOL

<b>Aspect :</b>	Viscous liquid
<b>Colour :</b>	Colourless to yellow
<b>Odour :</b>	Characteristic
<b>pH :</b>	5.5 - 6.5
<b>Dry residue (%) :</b>	1.15 - 1.45
<b>Solubility :</b>	Soluble in water
<b>Relative density (g/ml):</b>	1.000 - 1.010

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# NaturFilm

## Keep skin hydrated

Plant-derived solution for to improve water retention (TEWL) and keep skin hydrated

### Plant alternative to traditional moisturizers

Macromolecular polysaccharides extracted from the seeds of the carob (Ceratonia Siliqua) are important constituents of living organisms. Some are involved in energy storage functions while others help to maintain tissue integrity.

But other important characteristics of macromolecular polysaccharides are their ability to bind water within its structure and to form highly viscous aqueous solutions.

**NaturFilm has extraordinary water retention properties and such moisturizing properties allow it to have a beneficial effect on the micro relief** which makes it an ideal ingredient for anti-aging and moisturizing products.

● **Uses and dosage**

NaturFilm is a cosmetic ingredient for skin care products. NaturFilm can be processed either with warm (< 80°C) or cold, and should be incorporated into the aqueous phase of a cosmetic formulation.

For **skin care preparations**, the addition of **1 to 5% Naturfilm** is recommended.



## **NaturFirm** **Instant lifting**

Instantly combat signs of fatigue  
and the passage of time

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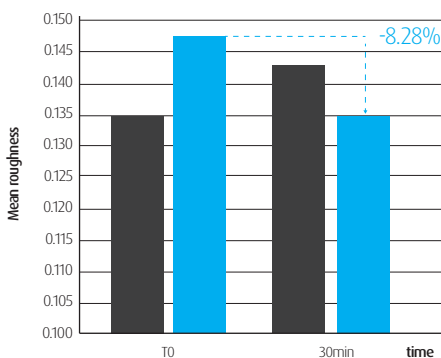
**NaturFirm provides instant perceivable tightening experience and a long term skin firming effect after multiple applications, perfect for facial skin tightening products and protective care for long-term firmer skin**

- **Clinical evaluation of the anti-wrinkle efficacy of a cosmetic product on 20 volunteers (instant lifting effect with profilometric Analysis - DermaTop Blue equipment)**

**A) Measurement of skin roughness (mean depth of roughness)**

Variation (mean) in deep wrinkles

time	Left face (4% NaturFirm)	Right face Placebo
T30min vs T0	-8.28%	3.70%

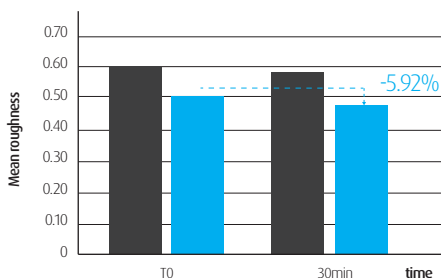


(left face: improvement of skin roughness with NaturFirm. Placebo did not show any improvement in the right face)

**B) Measurement of skin roughness (arithmetical mean of roughness)**

Variation (mean) in overall wrinkle appearance

time	Left face (4% NaturFirm)	Right face Placebo
T30min vs T0	-5.92%	-4.82%



(left face: improvement of skin roughness with NaturFirm. Placebo did not show less improvement in the right face)

## NaturFirm Instant lifting

Instantly combat the sign of fatigue and the passage of time

### Best tightening experience

This loss of volume, together with wrinkles and a loss of radiance and elasticity, causes facial skin to start looking older. Sometimes difficult to describe, a loss of volume is very common and alters the structure and shape of the whole face. It can also sometimes be referred as saggy skin, loss of contours or 'looking drawn', and is often associated with a negative look to the face.

**With a perfect combination of microalgae active components and a powerful polysaccharide, NaturFirm makes possible to combine short and long term efficacy with real benefits, both being looked for by consumers in tightening products.**

### C) Reactive volunteers

**100% of volunteers showed a statistical significant reduction** in both profilometric parameters (mean depth and arithmetical mean) related to skin roughness



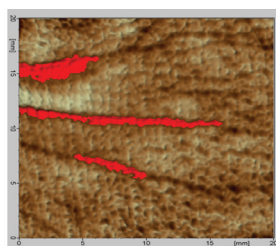
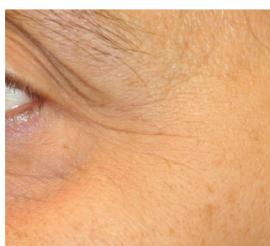
## NaturFirm Instant lifting

Instantly combat the sign of fatigue  
and the passage of time

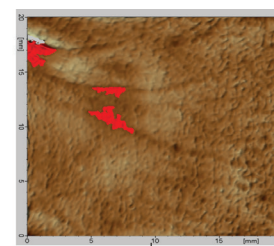
### ● Representative images of the treated areas

Representative images of the improvement of the skin roughness in the treated area were extrapolated from dermaTOP Blue software and are reported here below. (R=right, L=left)

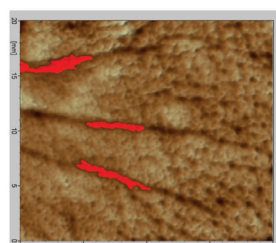
BRT1103 TO (Left T0)



ERG1544 TO (Left T0)



BRT1103 after 30min (Left T30) 4% NaturFirm



ERG1544 after 30min (Left T30) 4% NaturFirm



### ● Product data (NaturFirm - Code SP0010)

#### Inci Nomenclature :

WATER (AQUA), PULLULAN, NANNOCHLOROPSIS OCULATA EXTRACT.

#### Additives:

PHENOXYETHANOL, POTASSIUM SORBATE, SODIUM BENZOATE.

<b>Aspect :</b>	Viscous liquid
<b>Colour :</b> <sup>TO</sup>	Yellow to amber
<b>Odour :</b>	Characteristic
<b>pH :</b>	4.50 – 5.50
<b>Dry residue (%) :</b>	19 – 23
<b>Solubility :</b>	Soluble in water
<b>Relative density (g/ml):</b>	1.050 – 1.150

### ● Uses and dosage

NaturFirm is a cosmetic ingredient for skin care products. NaturFirm should be incorporated into the formulation at temperatures below 50°C.

In formulations, NaturFirm is compatible with etanol at concentrations up to 10%.

For **skin care preparations**, the addition of **1 to 5% NaturFirm** is recommended.

# NaturOxygen

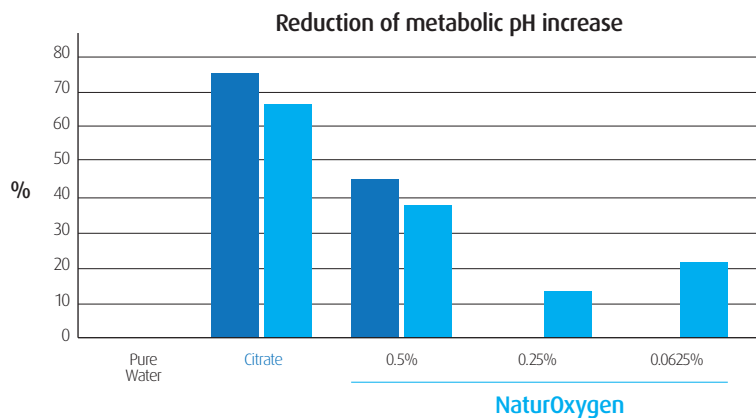
## Let your skin breathe

Fighting off skin dullness  
by stimulating cell metabolism

**Mixture of cell stimulating actives, including amino acids, from a yeast-derived extract, enhances oxygen uptake, cell viability and turnover.**

- **in vitro:** the product evaluated cellular respiration in human keratinocytes, comparing our product with a negative control (Pure Water) and a positive control (Citrate pH = 7). The result has been expressed as % reduction of PH metabolic increase (colorimetric measurements of PH variation caused by oxygen consumption)

time	Pure Water	Citrate	NaturOxygen		
			0.5%	0.25%	0.0625%
18 h	0.0 %	74.5 %	43.6 %	0.0 %	0.0 %
24 h	0.0 %	65.0 %	37.6 %	12.6 %	21.3 %



- **Product data (NaturOxygen - Code SP0006)**

**Inci Nomenclature :**

WATER (AQUA), GLYCERIN, SACCHAROMYCES LYSATE, DISODIUM SUCCINATE, ETHYLHEXYLGLYCERIN, GLUTAMIC ACID, GLYCINE, THREONINE,

**Additives:**

PHENOXYETHANOL

**Aspect :** Aqueous solution  
**Colour :** Yellowish  
**Odour :** Characteristic  
**pH :** 5.00 – 6.00  
**Solubility :** Soluble in water  
**Relative density (g/ml):** 1.050- 1.070



## NaturOxygen

### Let your skin breathe

Skin regeneration  
by stimulating cell respiration

#### Fighting off dull appearance

Dull skin can make you look tired and old, even when you're well rested. When your skin has a layer of dead skin cells on the surface, your skin doesn't reflect light as it naturally would with new, healthy skin.

As we age our Cell Renewal Factor (CRF) or cell turnover rate slows down. Cell turnover is the process by which our skin produces new skin cells which travel from the lowest layer of the epidermis to the top layer and then shed off the skin. This is what keeps dead cells from building up on the skin's surface.

When you're under 20, your skin cells turn over every 28 days. But by your 20s, turnover slows, and between 30 and 40, that rate slows to every 40 days.

**NaturOxygen boosts cell metabolism and skin turnover making your skin radiant and youthful**

- **Uses and dosage**

NaturOxygen is a cosmetic ingredient for skin care products. NaturOxygen can be processed either with warm or cold, and should be incorporated into the aqueous phase of a cosmetic formulation.

For **skin care preparations**, the addition of **1 to 5% NaturOxygen** is recommended.





**NaturSensitive**  
**Natural skin relief**

For sensitive and atopic skin,  
reduces the symptoms of itchy  
and irritated skin.  
Immediate soothing and relief



## NaturSensitive Natural skin relief

For sensitive and atopic skin,  
reduces the symptoms of itchy  
and irritated skin.  
Immediate soothing and relief

**NaturSensitive is a multi-functional complex extracted from barley wax, argan oil and shea butter. Protects from allergic reactions caused by the histamine release. Effective in the treatment of irritated skin.**

- **in vivo, placebo-controlled, evaluation of the soothing and anti-itch effect of a cosmetic product for topical use on 20 volunteers (Short Term)**

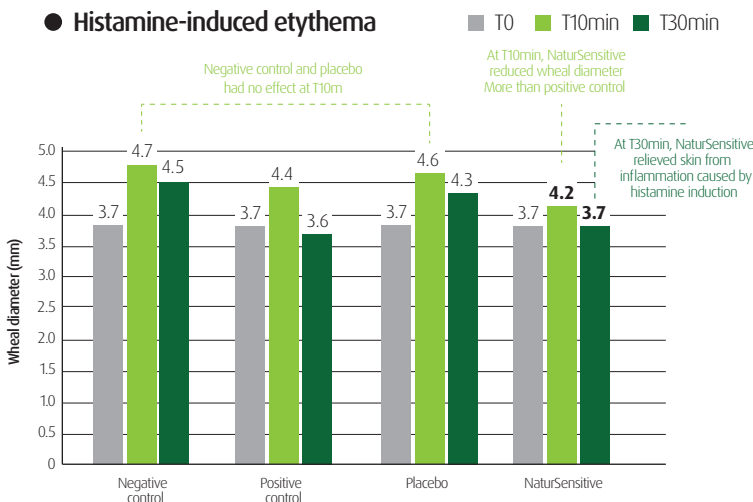
The provocation of inflammatory response was induced by histamine solution. Applied on the back and on the forearm of each volunteer. NaturSensitive was applied after histamine's response induction. Negative control as induced response but no product applied on skin, and 1% Polaramine cream as positive control (1% Dexchlorpheniramine maleate) after response induction.

### Managing irritated skin

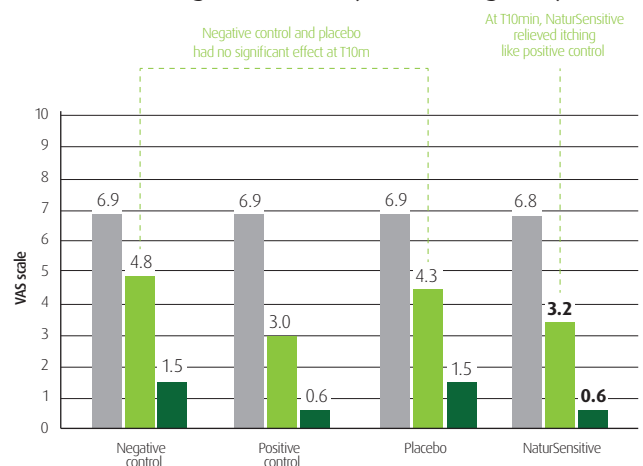
Skin can become sensitive for many reasons, and any time in life, from babyhood to old age. It occurs when skin's protective barrier function is compromised, causing skin to become susceptible to external irritants, such as bacteria, chemical substances, allergens or others.

Symptoms can appear on the face, body and scalp, and include redness, scaling and swelling. These can be itchy and disturbing in everyday life and can result in intense physical discomfort.

- **Histamine-induced erythema**



- **Mean itching value on VAS (Visual Analog Scale) scale**



- **Product data (NaturSensitive - Code SP0012)**

**Inci Nomenclature :**

BUTYROSPERMUM PARKII (SHEA) BUTTER, ARGANIA SPINOSA KERNEL OIL, HORDEUM VULGARE CERA, TOCOPHEROL.

**Additives:**

NONE

**Aspect :**

Lipidic mass

**Colour :**

Off-white to light yellow

**Odour :**

Characteristic

**Solubility :**

Insoluble in water

- **Uses and dosage**

NaturSensitive is a cosmetic ingredient for personal care products. NaturSensitive can be processed either up to 70°C or cold, and should be incorporated into the oily phase of a cosmetic formulation.

**For skin care preparations,**  
the addition of **2 to 5% NaturSensitive**  
is recommended.



## **NaturSerin** **Hair conditioning**

Nourishes and hydrates  
the hair from the inside

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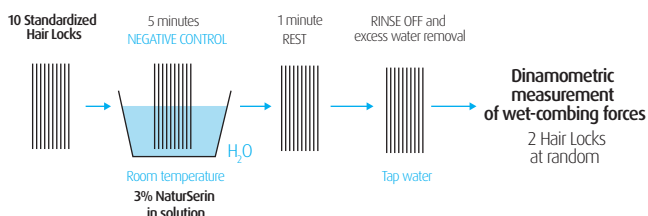


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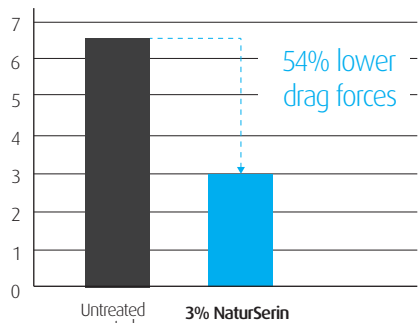
**NaturSerin contains silk protein with strong affinity to keratin. Strong semi-occlusive, film-forming potential to both skin and hair. Skin protection, silky feeling, lower TEWL and reduced irritation.**

### ● Tricological evaluation of elasticity and wet-combing properties

The purpose of the test consists in **evaluating the effects of the product at 3% on the intrinsic physical properties of human hair.** The test includes dynamometric measurement of the forces underwent by standardized hair locks during wet combing and the evaluation of the force at break on single hairs. Standardized Hair locks are prepared for both successive analyses. Protocol as follows:

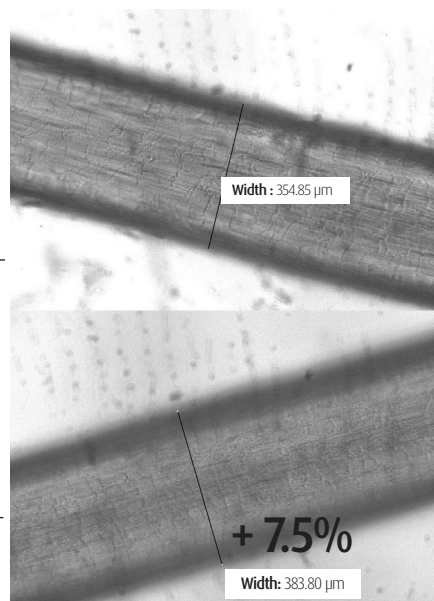


#### ● Average combing drag force (N/sec)



Equipment : Dynamometer IMADA DS

### ● Film Forming Effect 400x



← Easy-combing Extra-Strength →

## NaturSerin Hair conditioning

Nourishes and hydrates the hair from the inside

### The importance of keratin

Keratin is a natural and essential component of the hair that makes up and regulates the hair structure. **Due to the affinity of Sericine with keratin the two molecules bind easily and NaturSerin gives body and elasticity to the hair, strengthening it and improving its combability.** Not only NaturSerin can your hair grow stronger, but is moisture binding so moisture retention is increased and able to reduce breakage

### ● Product data (NaturSerin - Code SP0009)

#### Inci Nomenclature :

WATER (AQUA), HYDROLYZED SERICIN, ETHYLHEXYLGLYCERIN.

#### Additives:

PHENOXYETHANOL

<b>Aspect :</b>	Clear to slightly opalescent liquid
<b>Colour :</b>	Amber
<b>Odour :</b>	Characteristic
<b>pH :</b>	4.50 - 5.50
<b>Dry residue (%) :</b>	7.0 - 9.0
<b>Solubility :</b>	Soluble in water
<b>Relative density (g/ml):</b>	1.020 - 1.050

### ● Uses and dosage

NaturSerin is a cosmetic ingredient for skin and hair care products. NaturSerin can be processed either with warm (< 80°C) or cold, and should be incorporated into the aqueous phase of a cosmetic formulation. Compatible with ethanol.

**For hair and skin care preparations, the addition of 2 to 5% NaturSerin is recommended.**

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## Top Selling Product List

Il listino qui riportato non è esaustivo.  
Il nostro elenco prodotti  
viene spesso aggiornato.  
In caso di richieste particolari su prodotti  
o su attività cosmetiche non presenti in  
queste pagine, contattateci agli indirizzi:  
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