



## MARTEL FIRMNESS

# The hyaluronans used in the Skin

Firmness formula are bio-fermented.

These hyaluronans are able to deeply integrate into human biology of targeted tissues, and finely modulate cellular responses.

Hyaluronic acid is one of the key constituents of the skin with collagen and elastin.

Skin firmness comes in the form of an orodispersible powder with a natural clementine taste for a quick and pleasant intake.

### ACTIONS

- 1 Improves skin tonicity
- 2 Improves skin moisturization and elasticity
- 3 Decreases wrinkle depth and volume.

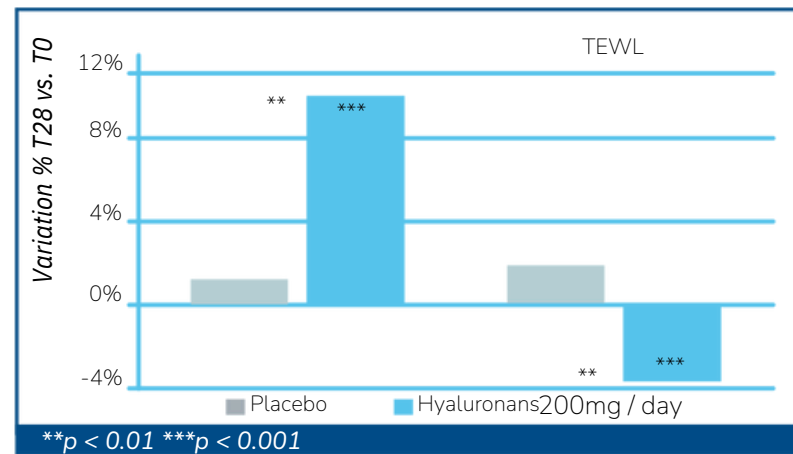


## CLINICAL STUDIES

Please check the national regulations before using the results.

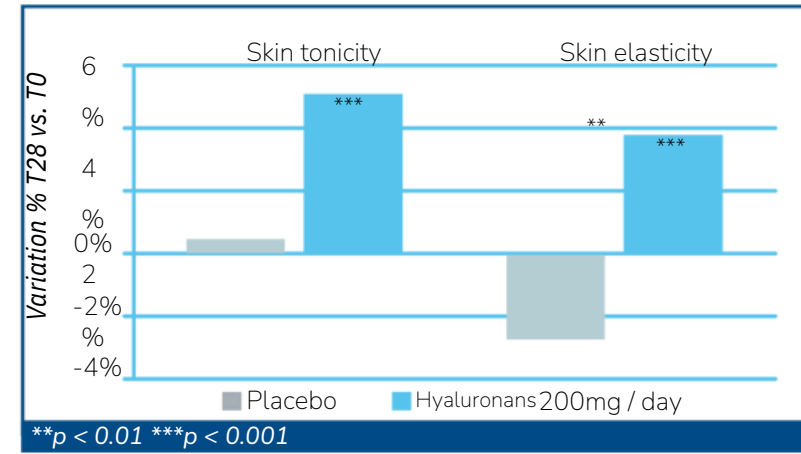
A double-blind, randomized, placebo-controlled clinical study was carried out on 60 women aged between 35 and 70 years. 30 women took 200mg/day of the hyaluronate while 30 women took a placebo. The results were evaluated through weekly blood sampling for hyaluronic acid serum levels, through instrumental evaluations at T0 and after 4 weeks and completed by the self-assessment of the volunteers.

### Skin moisturization



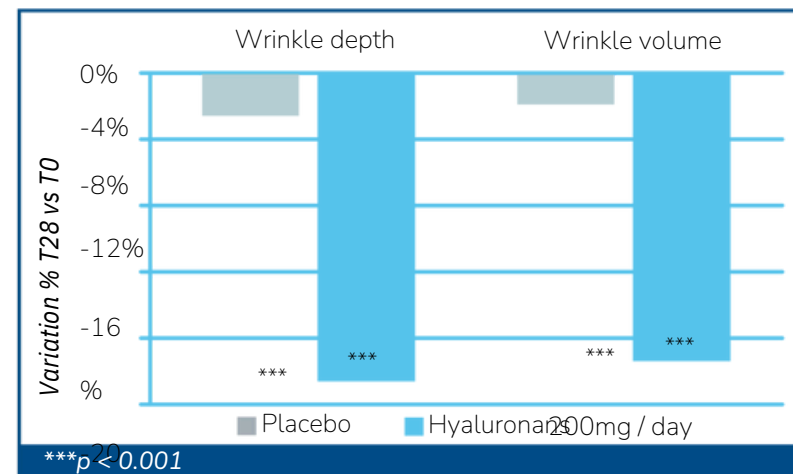
The measurements showed that the skin is more hydrated (+10.6%). The skin is also more protected from dehydration (-3.9% TransEpidermal Water Loss - TEWL).

### Skin tonicity and elasticity



The measurements showed that the tonicity (+5.1%) and elasticity (+3.8%) were significantly improved.

### Skin wrinkle



The 3D measurements showed that the depth (-18.8%) and volume (-17.6%) of the wrinkles were significantly improved. Considering that hyaluronic acid content in the skin of a 75-year-old person is less than a quarter of that of a 19-year-old subject, the need for hyaluronic acid supplementation is evident in order to compensate for its deficiency.

### BIOAVAILABILITY

The bioavailability of the hyaluronans used in the Skin Firmness formula were specifically studied. A relevant increase of hyaluronic acid in the blood was noticed after 7 days. A growth of over 40% was positively achieved after 28 days.



PC02494

For 1 stick

ACTIVES

Sodium hyaluronate 200 mg

Natural clementine flavour

4g of powder to gradually melt on the tongue (orodispersible). Take one stick per day. Maximise results by combining with the Collagen & Elastin formula.



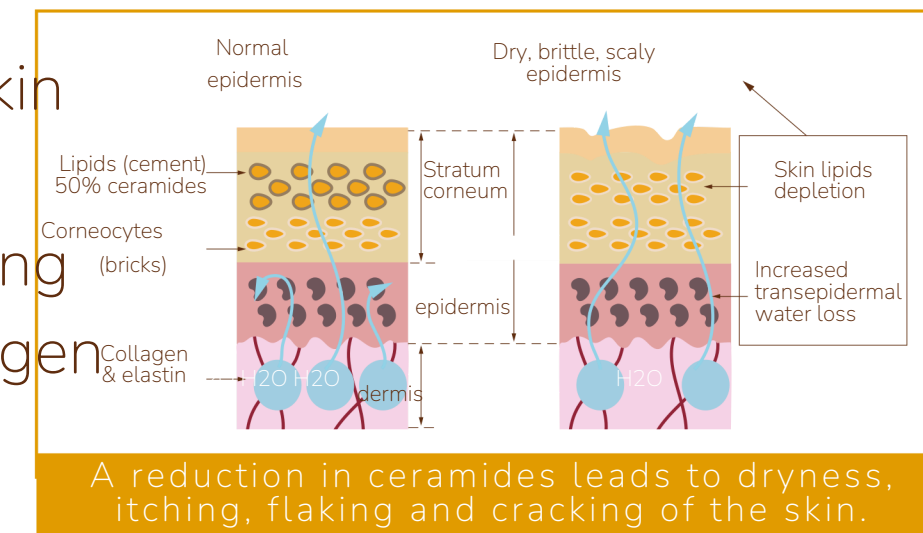


# Martel creams

comes from a process, which concentrates the lipidic portion of the wheat kernel and removes gluten. Ceramides represent 40% of the fat in the stratum corneum, and are like the cement in a brick wall: they bind the corneocytes together, slowing down the loss of water from the body and the penetration of harmful substances from outside, while giving flexibility and cohesion to the whole.

## ACTIONS

- 1• Helps protecting skin
- 2• Hydrates skin
- 3• Helps reducing aging signs & boosting collagen formation.



## EUROPEAN CLAIMS

### GRAPE SEED EXTRACT

Helps to improve the overall health and appearance of the skin.

### VITAMIN C

Contributes to normal collagen formation for the normal function of skin.



MARTEL LAB

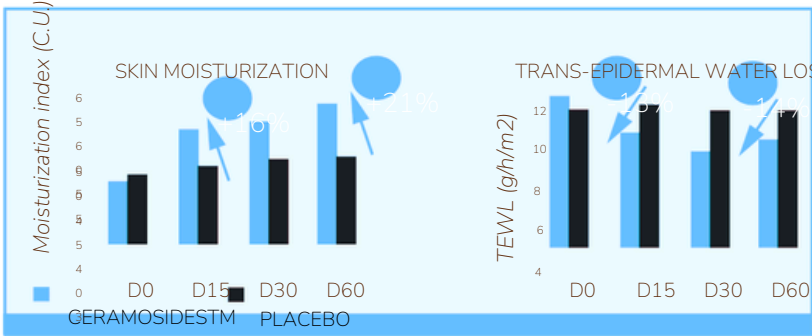




# CLINICAL STUDIES

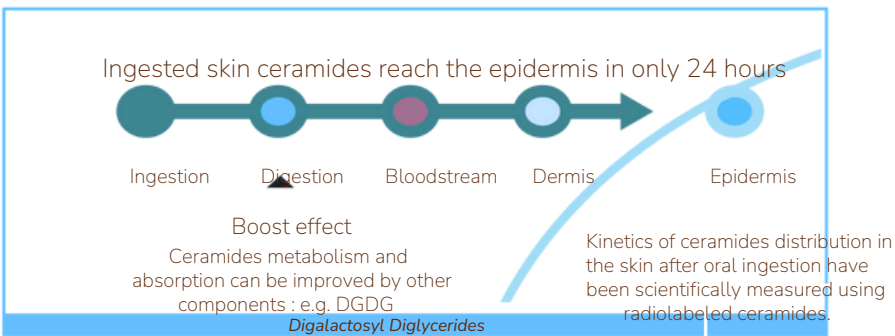
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## A strong moisturizing effect:

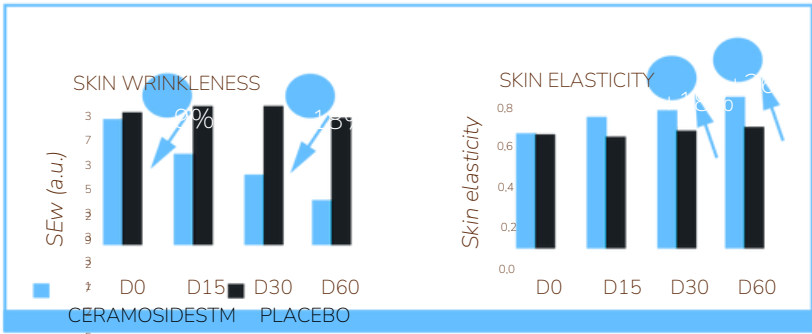


The questionnaire also confirmed the effectiveness: Ingested phytoceramides are transported via the bloodstream to the inner layer of the skin, providing full 80% noticed a reduction of scales while 75% of the body coverage in a short time: 24 hours. subjects who took a placebo did not.

## Bioavailability



## An exclusive anti-aging effect



The questionnaire also confirmed the effectiveness: 80% of treated subjects saw their skin less flaky while 5% of the subjects who took a placebo did not.

## Mechanism of action

In vitro studies suggest that:

- MARTEL CREAM preserve collagen network integrity by acting indirectly on collagenase (inhibition). Collagenase is an enzyme responsible for collagen network degradation.
- MARTEL CREAM help protecting cutaneous elastic fibers by acting on elastase (inhibition). Elastase is an enzyme destroying elastic fibers.

PC02476

For 1 stick

Grape seed extract ( <i>Vitis vinifera</i> L.)	4 mg
Of which proanthocyanidins	3.16 mg
Wheat seed polar lipids ( <i>Triticum aestivum</i> )	30 mg
Sphingolipids (including glycosylceramides and glucosylceramides)	15 mg
DGDG (digalactosyl diglycerides)	12 mg
Acerola juice powder ( <i>Malpighia punicifolia</i> L.) OF	180 mg
WHICH: vitamin c	24 mg*
*30% NRV (Nutrient Reference Values)	



Add 100 mL of water to 4g of powder. Take one stick per day.

This food supplement is suitable to a vegan diet. However, we do not guarantee the absence of cross contamination with several animal derived products.





# Martel skin

Martel skin is extracted from the bark of mono-species French maritime pine trees grown exclusively in Les Landes de Gascogne forest in southwest France. The forest is unspoiled and natural, with no pesticides, no herbicides. The premium quality of MARTEL SKIN components comes from the fact that the bark is not subject to seasonal variations, unlike other plants, which makes it an ideal botanical source. Its based on unique and proprietary extraction technology. The production process does not include any toxic solvent. is a combination of and key ingredients to even out the skin. Its exclusive properties have been evaluated and approved in a consumer study.



MARTEL SKIN A PINE BARK EXTRACT FROM FRANCE

## ACTIONS

- 1 Reduces brown spots pigmentation intensity
- 2 Helps unifying skin complexion
- 3 Improves skin radiance
- 4 Protects skin from brownish spots

## EUROPEAN CLAIMS

VITAMIN C contributes to normal collagen formation for the normal function of skin.  
VITAMINS C AND E contribute to the protection of cells from oxidative stress.



MARTEL LAB



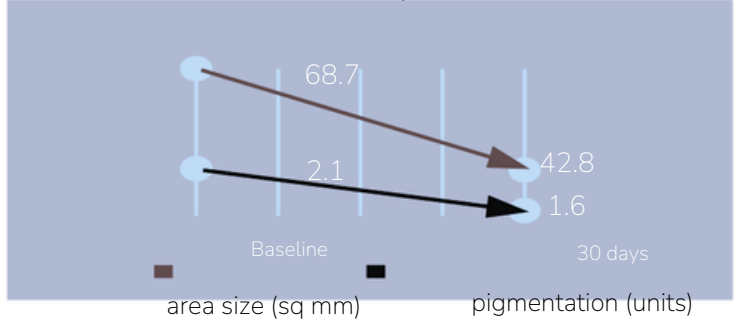
CLINICAL STUDIES

Please check with your national regulatory authority before using the product.

Reduction of brownish spots size and reduction of pigments intensity.

A clinical study was carried out in 2012, involving 30 chinese women aged from 29 to 59 years old and presenting brownish spots. They consumed 75mg per day for 1 month. At each visit, the hyper-pigmented area was determined planimetrically and the pigmentary intensity was rated colorimetrically.

In general, a significant effect was validated on 80% of the subjects, which corresponds to a reduction of the pigmentary intensity of 1 to 2 units (standard color chart) and to a reduction of the initial brownish spot size of one third.



Approved by consumers

100% global opinion

A study was carried out in 2012, involving 19 women (10 Caucasian women and 9 Asian) for 56 days. The results were based on subjective evaluation questionnaire and sensory evaluation by a trained jury and skin colorimetric measurement.

Percentage of people satisfied or rather satisfied



Your global opinion of the tested product



The taste (apple) is:



MECHANISM OF ACTION

Melanine is a major pigment in human skin color and it is synthesized in melanocytes. Melanogenesis is activated by oxidation-related processes such as UV radiation and requires tyrosine kinase activity. Consequently, tyrosine kinase inhibitors and photo-protectors may improve cutaneous hyper-pigmentary disorders and complexion discolorations.

Tyrosinase inhibition

In vitro experiments were carried out on martel skin French Pine Bark extract and suggested that martel skin inhibits tyrosine kinase in melanocytes. treated cells, melanin synthesis was effectively suppressed in a dose-related manner.



PC00459  
Natural apple flavour

PC02760  
Natural pear flavour

ACTIVES

<i>Punica granatum</i>	200 mg
<i>Pinus pinaster</i>	100 mg
Pomegranate fruit extract (	4 mg
Of which polyphenols	75 mg
Of which ellagic acid	45 mg
Maritime pine bark extract ( Of which procyanidins	60 mg*
Vitamin C	10 mg**
Vitamin E	

\*75% NRV (Nutrient Reference Values)

\*\*83% NRV (Nutrient Reference Values)

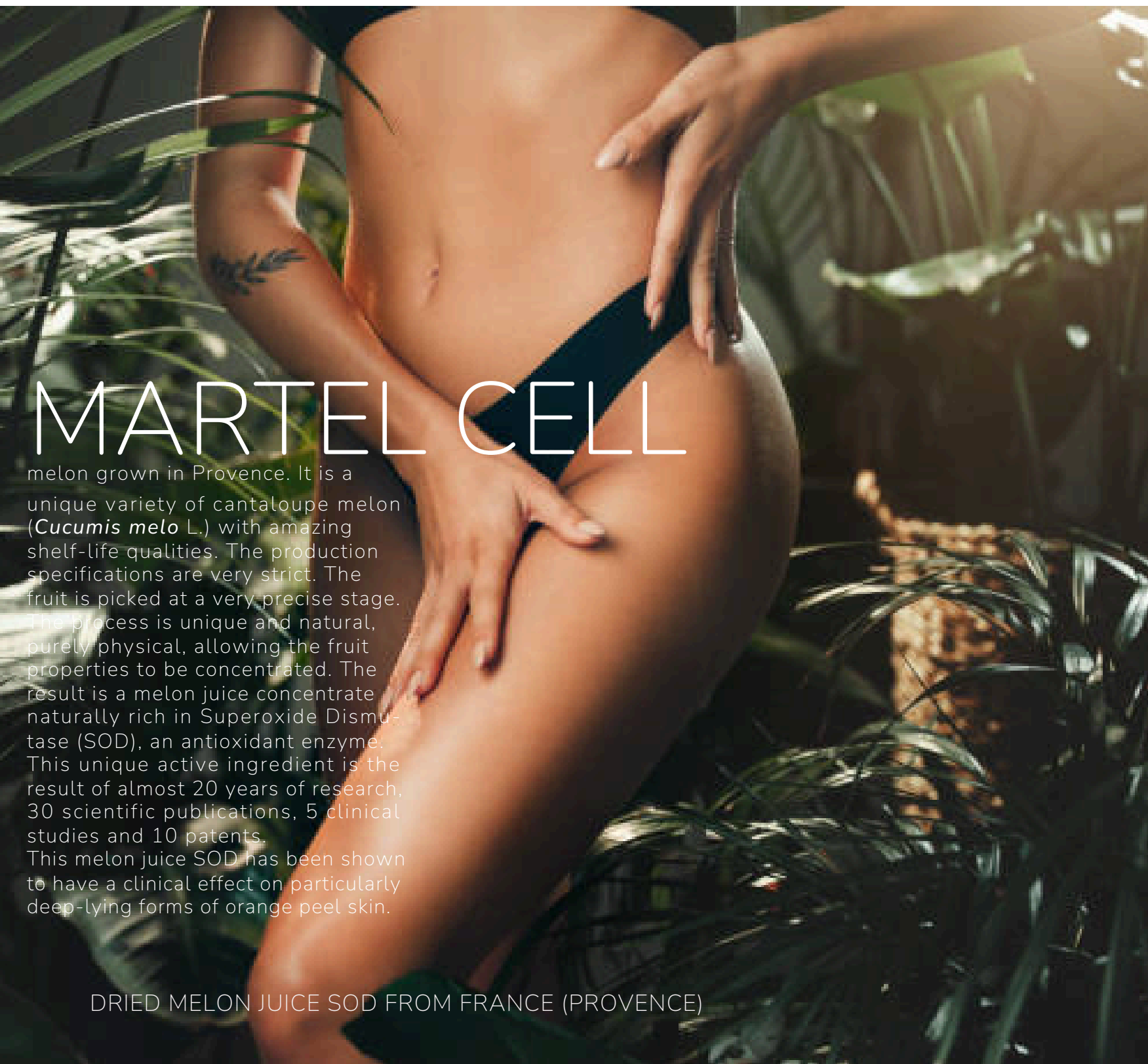
Instructions for use:

Apple : Add 100 mL of water to 6g of powder. Take 2 sticks per day.

Pear: Add 100 mL of water to 3g of powder. Take 2 sticks per day.







# MARTEL CELL

melon grown in Provence. It is a unique variety of cantaloupe melon (*Cucumis melo* L.) with amazing shelf-life qualities. The production specifications are very strict. The fruit is picked at a very precise stage. The process is unique and natural, purely physical, allowing the fruit properties to be concentrated. The result is a melon juice concentrate naturally rich in Superoxide Dismutase (SOD), an antioxidant enzyme. This unique active ingredient is the result of almost 20 years of research, 30 scientific publications, 5 clinical studies and 10 patents. This melon juice SOD has been shown to have a clinical effect on particularly deep-lying forms of orange peel skin.

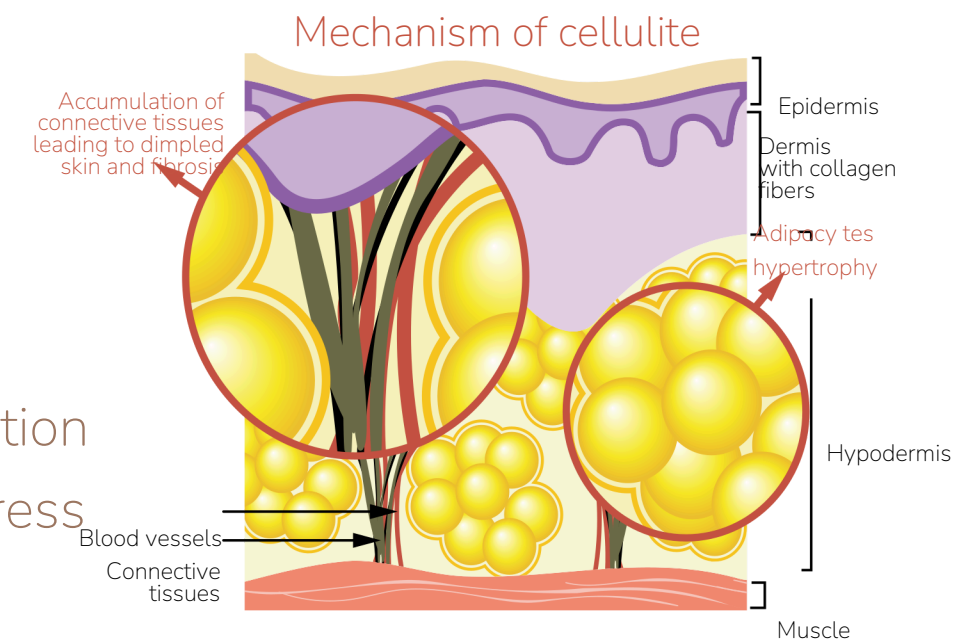
DRIED MELON JUICE SOD FROM FRANCE (PROVENCE)



# MARTEL CELL

## ACTIONS

- Contributes to reduce orange-peel skin aspect
- Helps the silhouette to become more refined
- Contributes to the protection of cells from oxidative stress



## EUROPEAN CLAIMS

GRAPE POMACE DRY EXTRACT  
Helps to reduce orange-peel skin aspect/  
Supports slimming / Helps silhouette to become more refined

ZINC  
Contributes to the maintenance of normal skin / Contributes to the protection of cells from oxidative stress



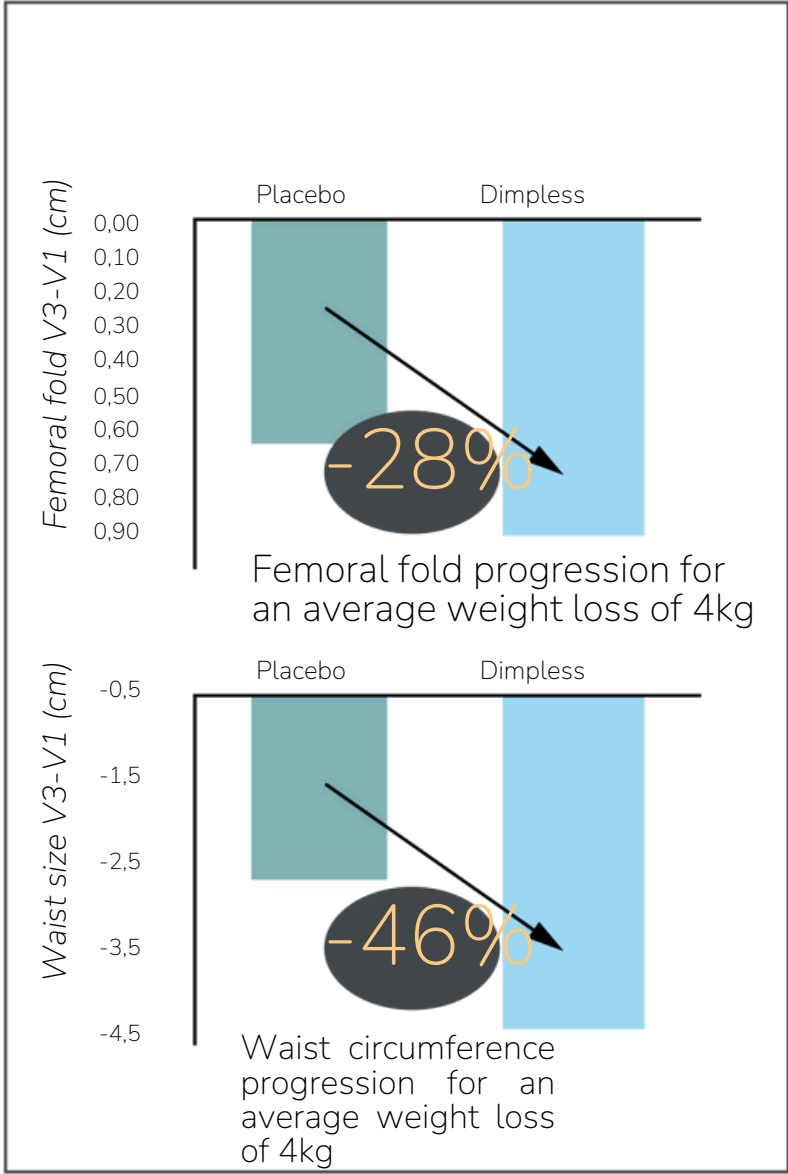
MARTEL LAB



## CLINICAL STUDIES

Please check the national regulations before using the results.

For most women (85 to 98% of women aged from 15 to 55 years old), the change in the aspect of skin's relief commonly named orange-peel skin or "cottage cheese thighs" and mainly located on the thighs, the hips and the belly is one of the most important beauty preoccupations. The impact of melon juice SOD was evaluated in a recent randomized, double blind and placebo-controlled clinical study. The study was assessed on 35 overweight women ( $25 < \text{BMI} < 31$ ) between 25 and 50 years old, with visible orange-peel skin.



In another clinical study carried out

on 41 healthy women, the orange-peel skin redction was

noted on of the supple-mented women after 28 days.

Mechanism of action

Fat accumulation is directly correlated to Reactive Oxygen Species (ROS) overproduction. In the mean-time, one of the main mechanisms for fibrosis is the

responsible release of ROS. Melon juice SOD boosts endoge- nous antioxidants which is directly correlated to a decrease in oxidative in melon juice SOD has shown in vivo positive results in reducing adipo- cytes hypertrophy and its accumula- tion and in improving fibrosis level.



### PC02710

ACTIVES	For 1 stick
Coated-freeze dried melon juice (Cucumis melo L.)	40 mg
Of which SOD (SuperOxyde Dismutase) activity	480 UI
Grape pomace dry extract (Vitis vinifera L.)	200mg
Caffeine	80 mg
Zinc (from: zinc lactate)	5,0 mg*

\*50% NRV (Nutrient Reference Values)

Instructions for use:  
Add 200 mL of water to 4g of powder.  
Take 1 stick per day.





# MARTEL PURE

## To treat skin imperfections,

consumers do not hesitate to combine several treatments over long periods (at least 6 months). They are less satisfied with radical treatments such as medication than with cosmetics.

173 consumers took part in a study to assess the effectiveness and quality of consumption . 75% of them said that skin imperfections were a source of stress and discomfort.

### ACTIONS

- 1 Helps reducing skin imperfections
- 2 Protects skin from oxidative stress
- 3 Improves skin elasticity

### EUROPEAN CLAIMS

#### ZINC

contributes to the maintenance of normal skin / Contributes to the protection of cells from oxidative stress.



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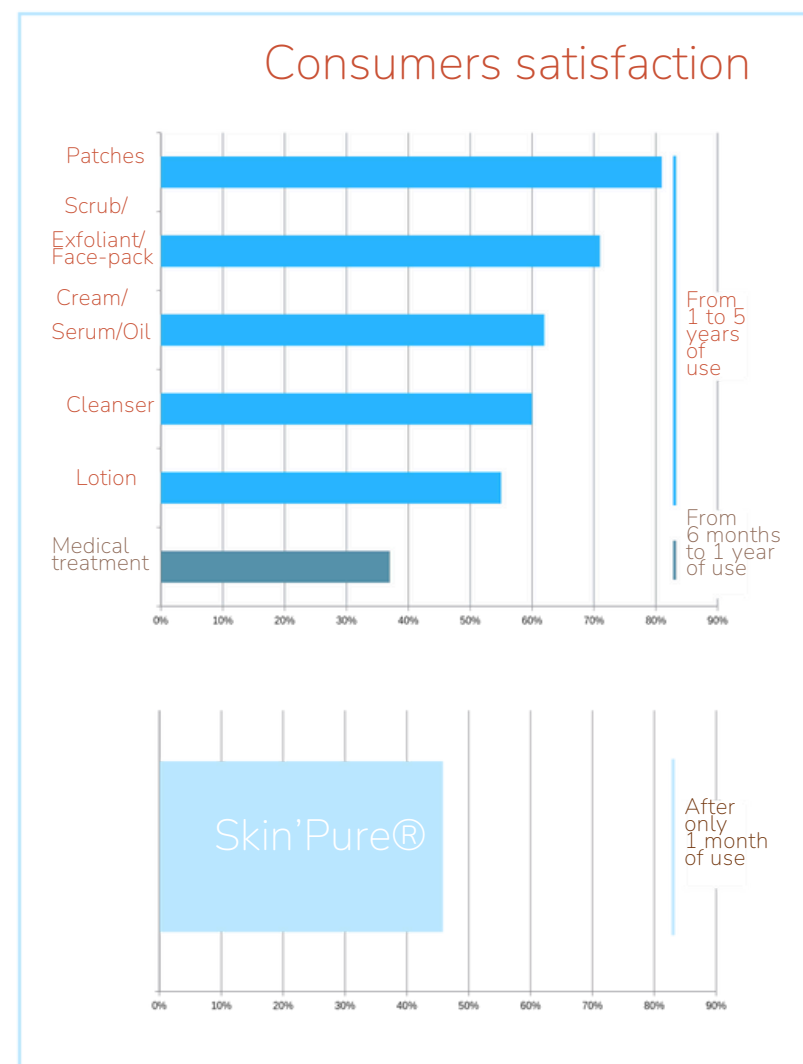
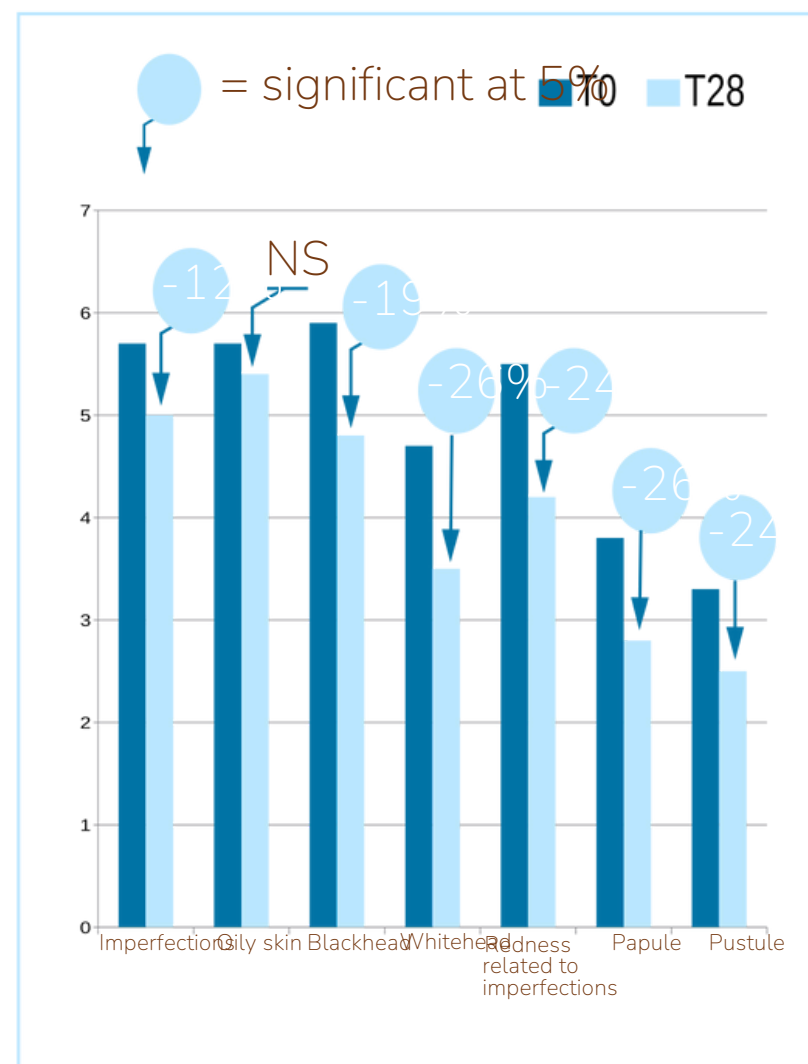




## CONSUMER STUDY

Please check the national regulations before using the results.

A consumer study was carried out in 2012, on 173 consumers (18% men, 82% women), aged from 18 to 36 and presenting skin imperfections. during 28 days. They were not following any other medical or food supplement cure for skin imperfections at the same time. Consumers were asked to grade their imperfections on a 1-9 scale before and after the study:



### PC00514

ACTIVES	For 1 stick
Whey protein complex	100 mg
Of which lactoferrin	87.5 mg
Zinc	10 mg*

\*100% NRV (Nutrient Reference Values)

3g of powder to gradually melt on the tongue (orodispersible).  
Take 1 stick per day.

Natural lemon flavour



MARTEL LAB



# MARTEL COLLAGEN & ELASTIN

the marine and elastin Collagen used in this formula are the result of the valorization of fishing co-products. The products are collected in Boulogne-sur-Mer, on the Opal Coast, in France. The extraction is made by enzymatic hydrolysis on selected wild fish skins. This natural production without solvents has a low environmental impact. It is therefore a sustainable use of local natural raw materials. The ingredient is responsibly sourced, with a commitment to species sustainability and environmental impact.

## ACTIONS

- Minimizes apparent lines and wrinkles
- Reinforces skin hydration

Increases skin suppleness.

## EUROPEAN CLAIMS

**ZINC** contributes to the maintenance of normal hair, nails and skin.

**VITAMIN C** contributes to normal collagen formation for the normal function of skin.



## CLINICAL STUDIES

A placebo-controlled clinical study involving 44 women over 40 years old was carried out with 2g of fish hydrolysed collagen and elastine for 3 months. Results are below and show an improvement on the main signs of aging.

71 % of women have a significant decrease in deep wrinkles.

■ Youthful appearance

In the global appreciation questionnaire, 43% of the respondents found that their skin looks younger.

## Collagen and elastin functions

Results show a significant anti-wrinkle effect after 4 weeks. The oral administration of fish hydrolysed collagen and elastine led to a significant decrease in the number of deep wrinkles (-19%), after 28 days. In comparison, the placebo group showed a worsening of the skin relief, characterized by a significant increase in the number of deep wrinkles (+28%), after 28 days.

The main skin components are collagen, elastin fibres and hyaluronan. Collagen and elastin account for roughly 97.5% and 2.5% of the components in the dermis, respectively. Collagen maintains the 3D structure of the skin, whereas elastin fibres form a 3D network between collagen.

Collagen & Elastin ingredients comply with sustainable commitments

- Eradication of Illegal, Unregulated and Unreported (IUU) fishing material.
- Raw materials used in the production of marine ingredients are sourced from responsibly managed fisheries; marine ingredients are sourced in fisheries which are respectful of quota settings and managed according to these settings.

Hydra tion

**+8%**

Results show an increase of the entire epidermis hydration (+8%), after 3 months.



# MARTEL BEUTY BOOSTER

## Collagen is the most abundant

protein in our bodies. It makes up 75% of our skin. It provides its structure, support and elasticity. It plays a role in skin hydration by attracting hyaluronic acid.

With age, the balance between collagen synthesis and degradation is disturbed. This means that the quantity and quality of collagen decline. Collagen supplementation has been clinically tested.

It helps maintaining and boosting skin beauty and youthfulness.

This formula provides type I collagen.

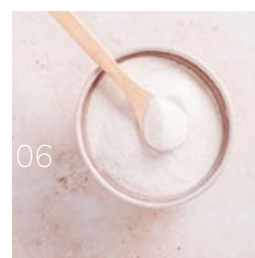
### ACTIONS

- 1 Reduces wrinkles
- 2 Improves hair strength
- 3 Increases skin suppleness

### EUROPEAN CLAIMS

VITAMIN C contributes to normal collagen formation for the normal function of skin.

FISH HYDROLYZED COLLAGEN PRODUCED IN FRANCE



MARTEL LAB

## CLINICAL STUDIES

MARTEL LAB has selected highly bioavailable and bioactive collagen peptides.

Several randomized, double-blind, placebo-controlled, clinical studies were carried out on collagen peptides in France, Brazil and Japan. 199 women were involved globally. Significant results were observed within 90 days.

The study measured:

- Reduction in wrinkles around eyes and mouth
- Skin moisture level
- Fragmentation of the collagen network
- Break force of hair

### Wrinkles

A significant reduction in wrinkles was noticed:

13% of reduction around the eyes -13%

10% of reduction around the mouth -10%

This result was obtained with 5g of collagen peptides per day for 12 weeks.

### Skin suppleness

Collagen peptides induced a significant increase of 19% in skin suppleness (cutometer measure).

This result was obtained with 10g of collagen peptides per day for 12 weeks.

Please check the national regulations before using the results.

### Fragmentation of the collagen network

The collagen density in the dermis significantly increased and the fragmentation of the dermal collagen network significantly decreased of 31% 31% after 12 weeks of supplementation.

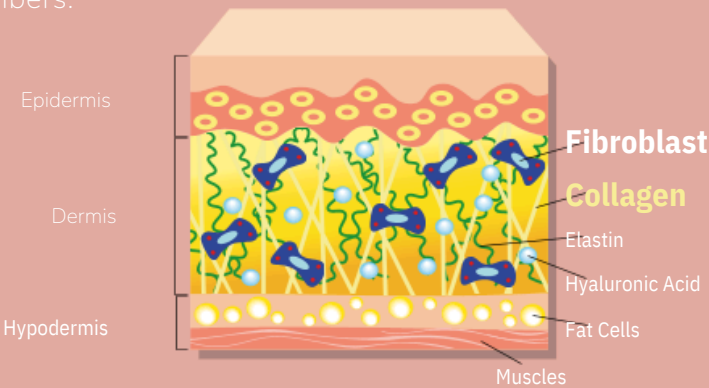
Results are significant from 10g of collagen peptides per day

### Hair strength

Results showed a 13% increase in the mechanical strength of hair with 5g of collagen peptides per day. +13%

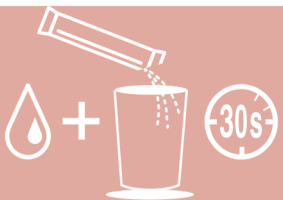
### Mechanism of action

Collagen peptides are digested and absorbed in the blood stream. 95% of the fish hydrolyzed collagen in this formula is absorbed within 12 hours. It has been demonstrated that hydrolyzed collagen increases the fibroblast density and the diameter of collagen fibrils in the dermis. Collagen peptides may act as messenger and trigger the synthesis of new collagen fibers and reorganization by stimulating fibroblast cells. Studies confirm that hydrolyzed collagen ensures uniformity in fibril diameter and increases suppleness because of a better cohesion of collagen fibers.



PC02769  
Natural strawberry elderflower  
PC02773  
Natural pomegranate flavour

ACTIVES		For 2 sticks
Fish hydrolysed collagen	10 g	
Concentrated acerola juice (Malpighia punicifolia L.)	180mg	
Of which natural vitamin C	24mg*	



Instructions for use:  
Add 200 mL of water to 6g of powder.  
Take 1 to 2 sticks per day.



UV action

UV protection

# MARTEL ANTI-AGING

## ACTIONS

- Protects skin from oxidative stress
- Increases skin hydration

Improves skin elasticity

### SKIN AGING PROCESS

Skin aging is induced by internal and external factors. Human skin, like all other organs, undergoes chronological aging. In addition, unlike other organs, skin is in direct contact with the environment and therefore undergoes aging as a consequence of environmental damage. The primary environmental factor that causes human skin aging is UV irradiation from the sun. This sun-induced skin aging (photoaging), like chronological aging, is a cumulative process. The Anti-Aging supplement ingredients have been selected to help protecting cells from oxidative stress and improving its elasticity and hydration.

## EUROPEAN CLAIMS

### Vitamin C

contributes to normal collagen formation for the normal function of skin and to the protection of cells from oxidative stress.

UV

Ultraviolet light exposure accelerates skin aging. It results in the depletion of skin natural antioxidant defense system and generates free radicals.

Lutein is a natural pigment and blue-light filter. Oral intake was proven to increase their deposit in the skin. It results in better skin elasticity and hydration. Discover the unique clinical studies. ANTI-AGING formula comes in the form of an orodispersible powder with a delicate peach flavour. It preserves all the properties of the active ingredients.



LUTEIN FROM TAGETES ERECTA



MARTEL LAB



## LUTEIN CLINICAL STUDIES

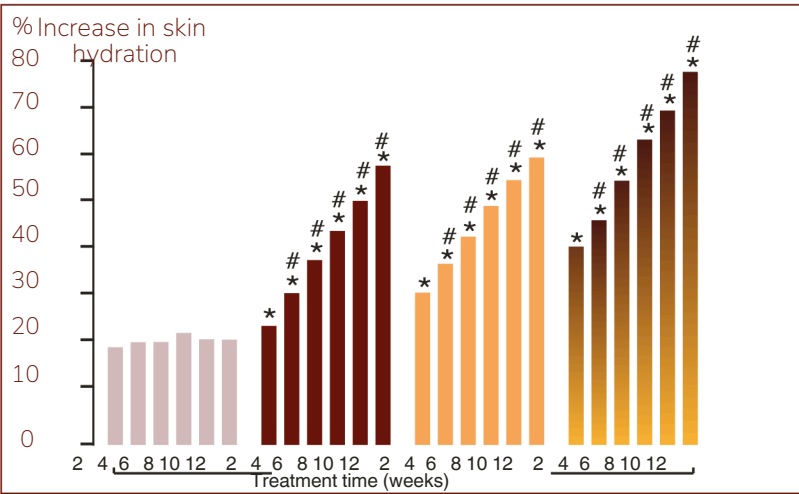
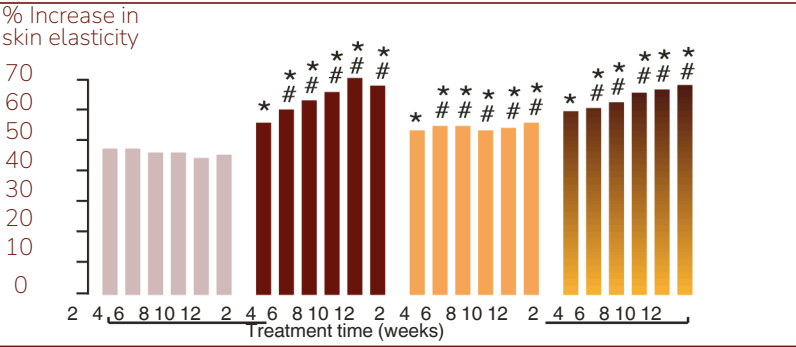
Please check the national regulations before using the results.

In 2007, a randomized, double-blind, placebo-controlled, multi-center study was carried out to demonstrate lutein efficacy on skin (Palombo et al., 2007). 40 women aged from 25 to 50 years old were involved. All skin types were represented (oily, dry, normal, combination).

The study lasted 12 weeks and the quantity of lutein per day was 10mg (orally and/or topically). Results on elasticity, skin lipids and skin hydration are below. Lutein supplementation also increases cutaneous carotenoids.

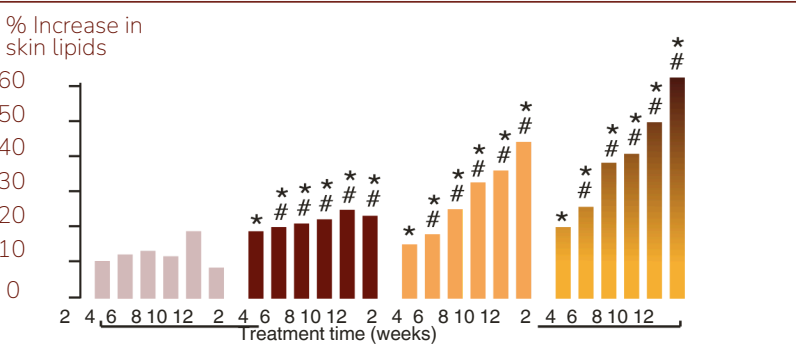
### Skin elasticity

Evaluated by changes in response to a constant vacuum applied to skin surface



### Superficial skin lipids

Evaluated by changes in transparency of frosted film surface



\* < 0.05 compared to placebo at the same time  
# < 0.05 compared to the week 2 treatment value within the same treatment group.

### CO-ENZYME Q10 PROPERTIES

Coenzyme Q10, also known as ubiquinone, is one of the substances needed to produce energy in the cells of almost all living organisms. Coenzyme Q10 and lutein help to complete the antioxidant properties of vitamin C.

Natural peach flavour



PC02336

ANTI-AGING	For 1 stick
Vitam in C	24 mg*
Hyaluron ic acid (from sodiu m s al t of Hyalu ronic acid)	30 mg
Co-enzym e Q1 0	30 mg
Lute	10 mg
(extracted fr om Tag etes erecta)	
*30% NRV (Nutrient Reference Values)	



3g of powder to gradually melt on the tongue (orodispersible). Take 1 stick per day.







# MARTEL KERATIN

This formula uses a soluble kera-

mium-quality sheep's wool. This keratin is produced through an exclusive, patented process in France that preserves the native amino acid profile. It provides a new, totally natural source of keratin. The keratin oligopeptides are highly bioavailable and their properties on hair were assessed through clinical studies.

KERATIN ISOLATE PRODUCED IN FRANCE

## ACTIONS

- Increases hair volume, shine and radiance
- Strengthens and improves the hair composition
- Helps to reduce hair loss

## EUROPEAN CLAIMS

MAIDENHAIR FERN helps to maintain the health of hair and nails / Helps to prevent hair normal hair loss. BIOTIN contributes to the maintenance of



MARTEL LAB



## Hair brightness

A placebo-controlled randomized study was carried out in 2012 on 50 women having telogen effluvium and showing the clinical signs of stressed hair, aged from 40 to 71. They were given 500mg of keratin per day and the effects on hair were evaluated after 1, 2 or 3 months of treatment.

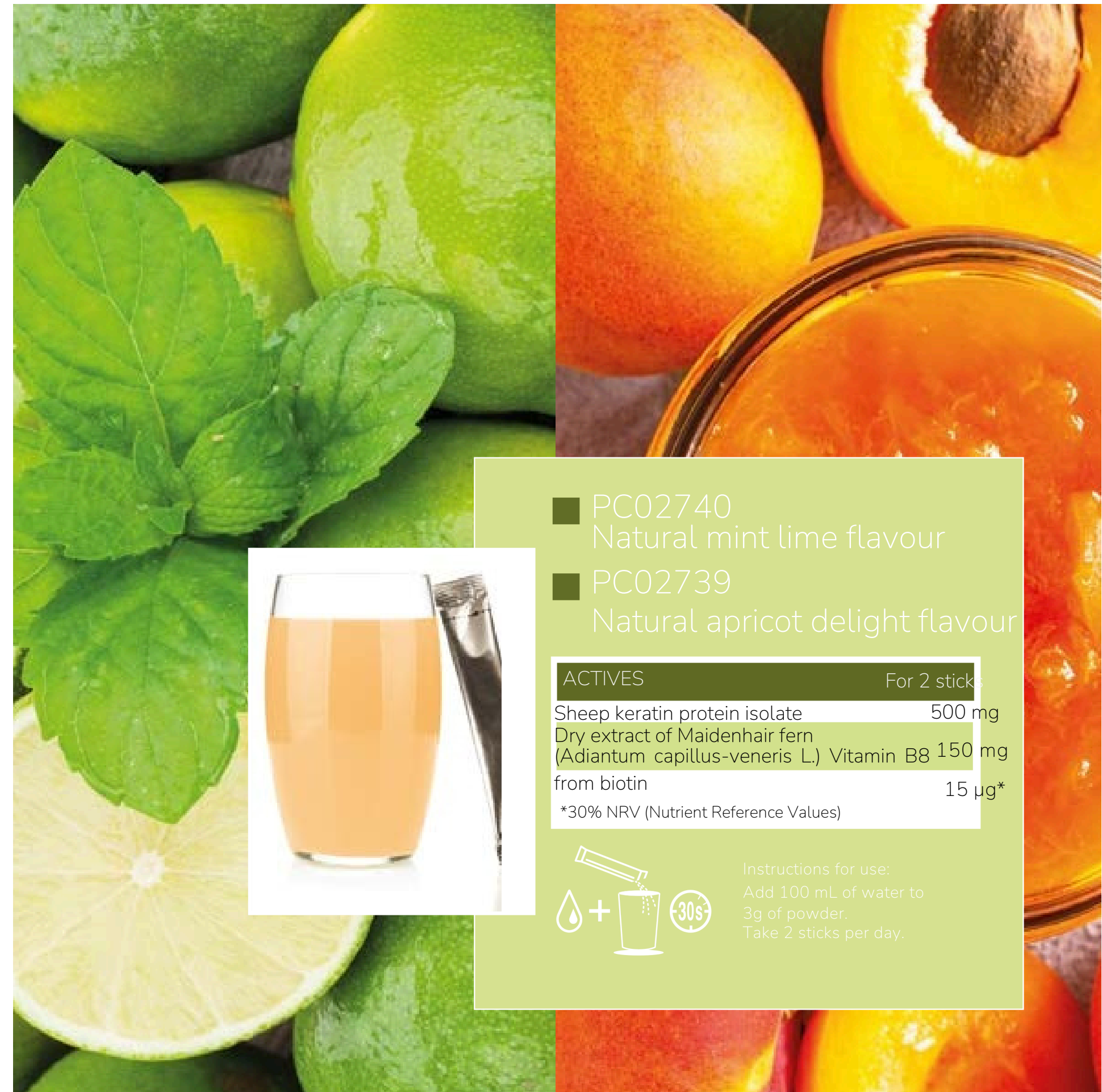
## Amino acid analysis of the hair

Hair samples were taken from individuals and their amino acid profiles were analyzed by reverse phase liquid chromatography.

Results showed that:

- Keratin increases the amino acid content of serine, glutamic acid, cystine and methionine after 90 days.
- Over 80% of subjects had at least a 2% increase in cystine and methionine whereas less than 20% had a similar response for cystine on placebo and less than 5% for methionine.
- The ability of the hair to absorb the amino acids from keratin shows its bioavailability.


**Conclusion:** Keratin reduced hair loss almost 4 times over Placebo at 30 days (×3.8).



■ PC02740  
Natural mint lime flavour

■ PC02739  
Natural apricot delight flavour

ACTIVES	For 2 sticks
Sheep keratin protein isolate	500 mg
Dry extract of Maidenhair fern (Adiantum capillus-veneris L.)	Vitamin B8 150 mg
from biotin	15 µg*
*30% NRV (Nutrient Reference Values)	



Instructions for use:  
Add 100 mL of water to  
3g of powder.  
Take 2 sticks per day.





# years of French nutricosmetics

Choose among these catalogue products or  
ask us for your custom beauty food  
supplements.



MARTEL LAB