

# NÆMOS

The plant extraordinary

## PRODUCT CATALOGUE



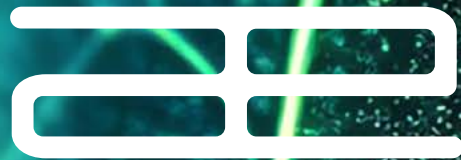
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# Næmos

**næ** symbolizes novelty

**mos** means “way of doing” in latin

“Innovation begins with a new way of being”



NÆMOS  
The plant extraordinary



## THE COSMETIC ACTIVE INGREDIENT REVOLUTION

### Precision Indoor Farming x Elicitation

Performance • Traceability • Sustainability

A phytobiotech company, Næmos connects skin sciences and **precision indoor farming** to design unique cosmetic active ingredients elevating the definition of performance.

Innovative active ingredients with augmented performance

- Augmented phytocompound concentration
- Augmented skin efficacy
- Augmented traceability and sustainability

# ELITE™

## ELicitation Technology Platform

ELITE™ enables precise control of growth parameters and multifactorial stimulation, directing plant responses toward optimized secondary metabolite production.

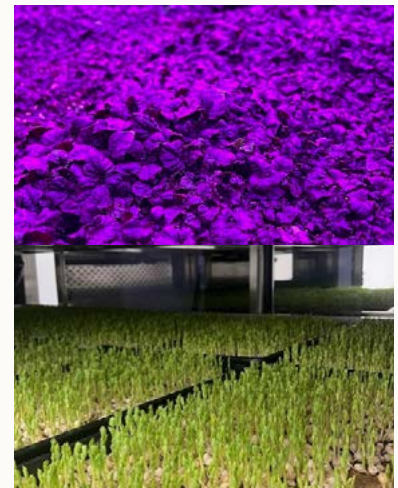
This approach delivers augmented performance while simultaneously reducing environmental impact.

### Controlled parameters

- |                                                                                                    |                                                                                                 |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|  Light spectrum  |  Temperature |
|  Light intensity |  Watering    |
|  Photoperiod     |  Humidity    |

## Our R&D center

- Housed by Capsum Campus, in Marseille, France
- 3 internal scientific expertises: agronomy, eco-extraction, biology
- Various types of cultivation chambers



### Agronomy

- Selection and authentication of seeds
- Determination of optimal growth and elicitation conditions
- Scale up

### Eco-extraction

- Development of plant eco-extraction processes
- Characterization of phytochemical profiles
- Establishment of specifications

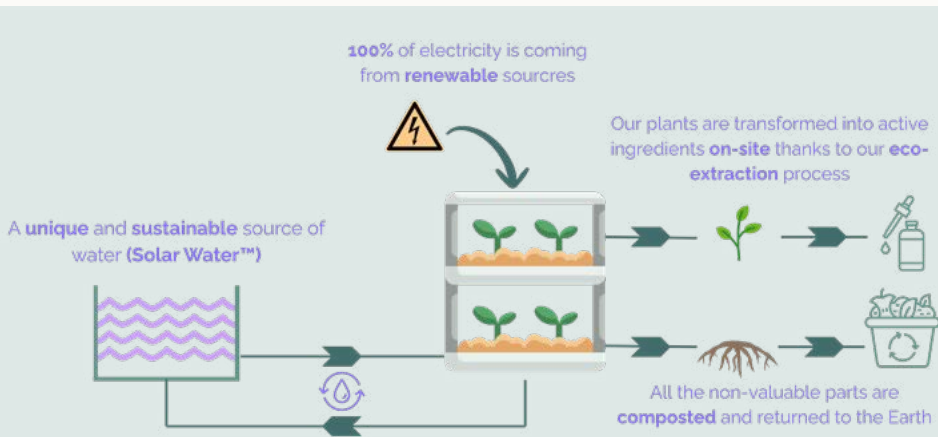
### Biology

- Identification of innovative mechanisms of action
- Efficacy and safety study management
- Intellectual property

# Sustainable farming

## Næmos manufacturing site is a flagship factory for sustainability

- 600 m<sup>2</sup> facility housed by Capsum, in Austin, Texas
- 100% Solar-powered with 3750 solar panels
- Water-independent
- LEED Silver certified



# Our sustainability commitments



|                                                                                                                                                                      |                                                                                                                                                                                     |                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <h3>Traceability &amp; transparency</h3> <p>With a “from seed-to-skin” approach, we control every steps of the process</p> <p>We guarantee no plant adulteration</p> | <h3>Supply chain security</h3> <p>We can grow and harvest plants all year round, regardless of seasons and climate variability &amp; change thus limiting the risk of shortages</p> | <h3>Eco-extracted</h3> <p>All our extraction processes follow the 6 principles of the eco-extraction charter</p>                         |
| <h3>Planet friendly</h3> <p>We reduce land use and preserve biodiversity</p> <p>Our products are biodegradable and safe for the aquatic ecosystem</p>                | <h3>Resource optimization</h3> <p>We optimize input consumption such as water, energy, fertilizer and biomass</p> <p>Solar water™ &amp; renewable energy</p>                        | <h3>Pesticide free</h3> <p>The controlled and pure environment ensures clean and safe crops without the need for chemical treatments</p> |

# Our extraordinary products

SYNATIS™

Mechanosensor rescue for skin neuro-longevity

in-cosmetics global

2026

FINALIST

BSB

2026

2. Prize

SHISOME™

Skinome protection for skin resilience

in-cosmetics global

2026

SILVER

BSB

2026

2. Prize

NIASKIN™

Natural niacinamide for brighter skin

CALMELYS™

Soothing sensitive skin, imparting lasting comfort

SUNGLOWER™

Reveal glowing skin with sunflower microgreens

SCAPILYA™

Anti-dandruff and scalp health recovery

|            | Patented | Anti-wrinkles | Well-aging | Longevity | Firmness | Skin luminosity/<br>Glow | Lightening/<br>Brightening | Neuro-cosmetics | Soothing | Microbiome | Hydration | Skin barrier | Pore reduction | Oily skin/<br>Acne prone skin | Scalp health | Anti-dandruff |
|------------|----------|---------------|------------|-----------|----------|--------------------------|----------------------------|-----------------|----------|------------|-----------|--------------|----------------|-------------------------------|--------------|---------------|
| SYNATIS™   | ●        | ●             | ●          | ●         | ●        |                          |                            | ●               |          | ●          |           |              |                |                               |              |               |
| SHISOME™   | ●        | ●             | ●          | ●         | ●        |                          |                            |                 |          | ●          | ●         | ●            |                |                               |              |               |
| NIASKIN™   | ●        |               |            |           |          | ●                        | ●                          |                 | ●        |            | ●         |              | ●              | ●                             |              |               |
| CALMELYS™  |          |               |            |           |          |                          |                            | ●               |          | ●          | ●         |              |                |                               | ●            |               |
| SUNGLOWER™ |          | ●             | ●          |           |          | ●                        | ●                          |                 |          |            |           |              |                |                               |              |               |
| SCAPILYA™  | ●        |               |            |           |          |                          |                            | ●               |          |            |           |              |                |                               | ●            | ●             |

# SYNATIS™

## Mechanosensor rescue for skin neuro-longevity



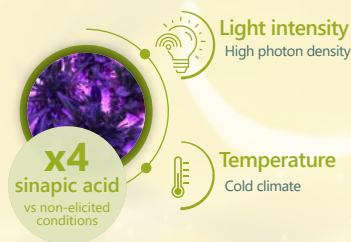
Sustainable *Isatis tinctoria* extract, obtained through a water eco-extraction process.

Bio-inspired by the plant's neuroprotective properties, SYNATIS™ helps restore the skin's ability to sense its environment, supporting the prevention of structural aging while enhancing cutaneous comfort and pleasant sensory perception.

**INCI name**  
Glycerin, Water, Isatis tinctoria leaf extract

**Titrated in sinapic acid**

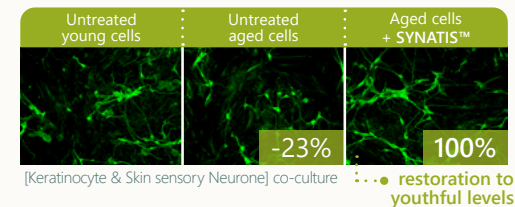
**Recommended dose: 2%**



## Mechanism of action

SYNATIS™ preserves the health of the neurocutaneous system to maintain skin mechanosensation, thereby sustaining the skin trophic signaling pathways that help counteract skin structural aging.

### Improvement of the skin's neurite length



### Mechanosensor expression rescue

PIEZO1 PIEZO2 TRPV4 TRPA1 ASIC3 TREK1 TREK2 TRAAK

### Improvement of neurocutaneous communication

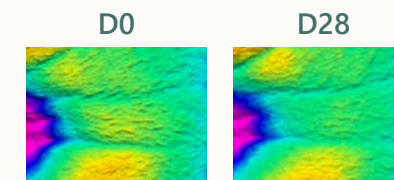
100% rescue of glutamate release

### Recovery of collagen structure & organization



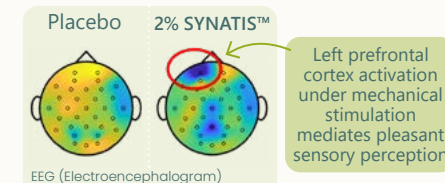
## Clinical studies

- 33 female and male volunteers - 47 to 70 years old
- 2% SYNATIS™ cream or placebo applied twice daily on split face for 28 days



**-12.9%\*** WRINKLE COUNT vs. placebo

**+15.9%#** SKIN FIRMNESS vs. placebo



**ENHANCES NEUROCUTANEOUS SIGNALING & MECHANOSENSATION, WHILE INCREASING THE INTENSITY OF PLEASANT SENSORY PERCEPTION.**

\*p<0.1, \*p<0.05

# SHISOME™

## Skinome protection for skin resilience



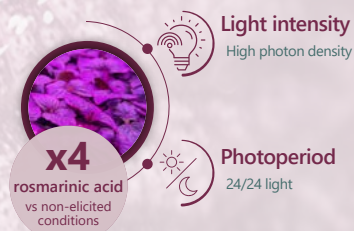
Sustainable Red Shiso microgreen extract, obtained with microwave-assisted water eco-extraction process.

Bio-inspired by Red Shiso's natural defense against intense high-altitude light, SHISOME™ protects the Skinome from oxidative stress, for increased longevity.

**INCI name**  
Glycerin, Water, Perilla frutescens extract

**Titrated in rosmarinic acid**

**Recommended dose: 1%**

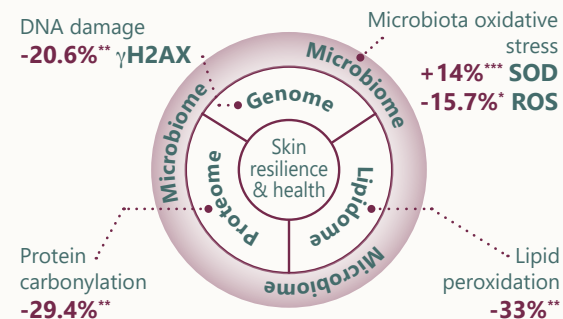


## Mechanism of action

Shisome™ protects the **skinome** ecosystem for a better balanced and resilient skin.  
**Genome • Proteome • Lipidome • Microbiome**

### Antioxidant properties -46.7%\*\*\* ROS

### Skinome protection against oxidative stress



### Restoration of damaged skin barrier

|           |           |           |
|-----------|-----------|-----------|
| +139%**   | +152.7%*  | +44.6%*** |
| Filaggrin | Claudin-1 | Ceramides |

*In-vitro and ex-vivo tests performed under UV to induce oxidative stress*

## Clinical studies

- 35 Caucasian female volunteers - 47 to 70 years old
- 1% Shisome™ cream or placebo applied twice daily to the split face for 28 days



|                             | D7     | D28    |
|-----------------------------|--------|--------|
| WRINKLE DENSITY vs. placebo | -7.9%* | -15%** |



|                          | D7      | D28      |
|--------------------------|---------|----------|
| SKIN SAGGING vs. placebo | -15.4%* | -18.5%** |

|                       |         |
|-----------------------|---------|
| HYDRATION vs. placebo | +10.6%* |
|-----------------------|---------|

\*p<0.05, \*\*p<0.01, \*\*\*p<0.001

# NIASKIN™

## Natural niacinamide for brighter skin

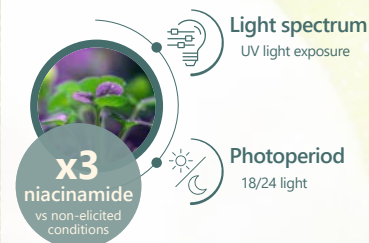
Sustainable pea microgreen extract, obtained through a patented eco-extraction process using plant-native water.

First natural source of niacinamide and peptides to refine enlarged pores and brighten the skin, for enhanced skin quality.

**INCI name**  
Glycerin, Pisum sativum (pea) extract

**Titrated in niacinamide**

**Recommended dose:** 3%



## Mechanism of action

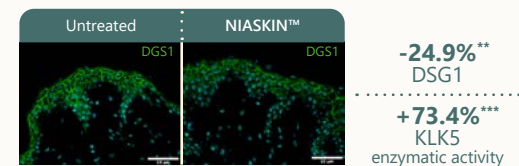
Niacinamide is an active form of Vitamin B3 widely used in skin care for its multifunctional benefits:

- Precursor of NAD+, a coenzyme involved in cellular energy metabolism and repair processes
- Pore minimization & skin quality enhancement
- Skin brightening

**Cellular energy booster** +28.7%\* NAD+

**Seboregulation** -29.7% Lipids in sebocytes

## Enhancement of desquamation



The Kallikrein 5 protease (KLK5) cleaves Desmoglein-1 (DSG1) in corneodesmosomes, reducing corneocyte cohesion and facilitating physiological desquamation to limit the physical enlargement of pores caused by cellular debris.

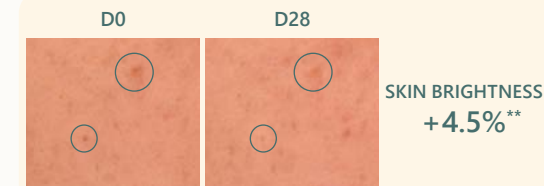
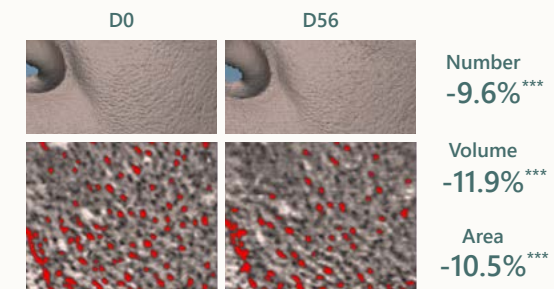
**Pore integrity support** +49.5%\*\* Pro-collagen 1

Strengthening the pore structure limits pore collapse, thereby minimizing visible enlargement.

## Clinical studies

- 32 female volunteers - 25 Caucasian/7 Latin - 35 to 65 years old
- 3% NIASKIN™ cream applied twice daily on face for 56 days

### PORE MINIMIZATION



**SKIN HYDRATION** +74.8%\*\*\*

\*p<0.05, \*\*p<0.01, \*\*\*p<0.001

# CALMELYS™

Soothing sensitive skin, imparting lasting comfort

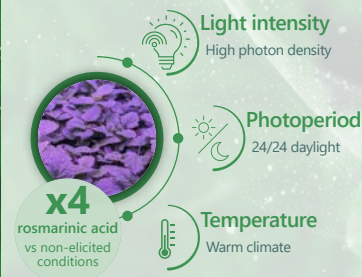
Sustainable Lemon Balm extract, obtained through microwave- and ultrasound-assisted water eco-extraction.

By strengthening the skin barrier and calming inflammation, CALMELYS™ soothes redness and improves skin tolerance threshold for optimal comfort.

**INCI name**  
Glycerin, Water, Melissa officinalis extract

**Titrated in rosmarinic acid**

**Recommended dose: 1%**

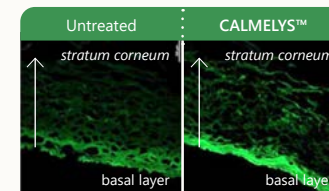


## Mechanism of action

Skin inflammation is closely linked to oxidative stress and impairment of the epidermal barrier.

Excess production of reactive oxygen species disrupts cellular homeostasis and activates inflammatory signaling pathways, promoting the release of pro-inflammatory mediators, contributing to cutaneous irritation and sensitivity.

### Barrier function reinforcement



**+16%\*\***  
Ceramides

The stimulation of ceramide production starts in the basal layer. They will progressively move toward the *stratum corneum* where ceramides reinforce the intercorneocyte cement.

### Cell protection from oxidative stress

|                       |                             |                                      |
|-----------------------|-----------------------------|--------------------------------------|
| <b>-45%***</b><br>ROS | <b>-43%**</b><br>DNA damage | <b>-44%***</b><br>Lipid peroxidation |
|-----------------------|-----------------------------|--------------------------------------|

### Decrease in the production of pro-inflammatory cytokines

|                      |                       |
|----------------------|-----------------------|
| <b>-45%*</b><br>IL-6 | <b>-25%#</b><br>TNF-α |
|----------------------|-----------------------|

## Clinical studies

- 21 female volunteers with sensitive skin - 26 to 60 years old
- 1% CALMELYS™ cream applied twice daily on face for 28 days



**REDNESS**  
**-28.5%\*\*\***

**DRYNESS**  
**-51.6%\*\*\***

**HYDRATION**  
**+34%\*\***

### SKIN SENSITIVITY

Burning  
**-75.7%**

Itching  
**-94.8%\*\***

Tingling  
**-97.8%\***

Tightness  
**-79.4%**

#p<0.1, \*p<0.05, \*\*p<0.01, \*\*\*p<0.001

# SUNGLOWER™

Reveal glowing skin with sunflower microgreens

Sustainable Sunflower microgreen extract obtained through an ultrasound-assisted water eco-extraction process.

Bio-inspired by the natural radiance of Sunflower, SUNGLOWER™ enhances the skin's glow by visibly reducing the appearance of wrinkles and evening skin tone.

## INCI name

Water, Propanediol, Helianthus annuus (sunflower) extract

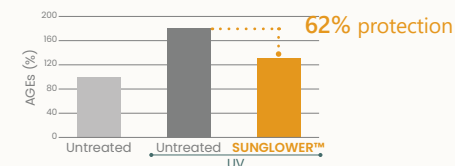
Recommended dose: 1%



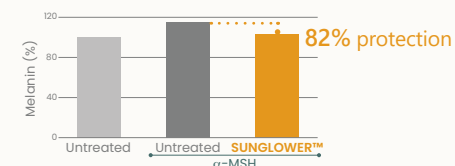
## Mechanism of action

SUNGLOWER™ enhances skin radiance by targeting multiple pathways. It helps reduce melanin production to even out skin tone, limits the formation of advanced glycation end-products (AGEs) that contribute to dullness and aging, and activates NRF2 to strengthen the skin's natural antioxidant defenses.

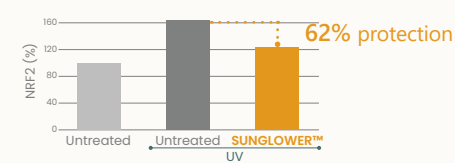
### Inhibition of glycation



### Inhibition of melanin production



### Cell protection against oxidative stress



## Clinical studies

- 21 female volunteers - 48 to 60 years old
- 1% SUNGLOWER™ cream applied twice daily on face for 28 days

D0



D28



### DECREASE IN THE APPEARANCE OF WRINKLES

| Length  | Count    | Surface |
|---------|----------|---------|
| -30.1%* | -29.3%** | -28%*   |

### SKIN TONE IMPROVEMENT

|           |              |
|-----------|--------------|
| +23.8%*** | Rosy glow    |
| +9.8%***  | Luminosity   |
| +5.9%**   | Transparency |
| +5.3%**   | Brightness   |

\*p<0.05, \*\*p<0.01, \*\*\*p<0.001

# SCAPILYA™

## Anti-dandruff and scalp health recovery

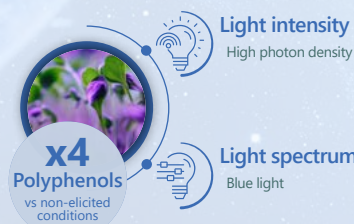
Sustainable Starflower microgreen extract, obtained through a patented eco-extraction process using plant-native water.

By soothing irritation and promoting the desquamation process, SCAPILYA™ reduces dandruff flakes and helps restore scalp homeostasis.

**INCI name**  
Glycerin, Borago officinalis extract

**Titration in polyphenols**

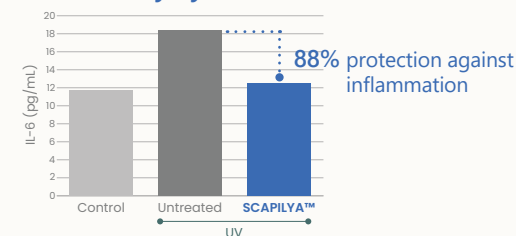
**Recommended dose:** 1%



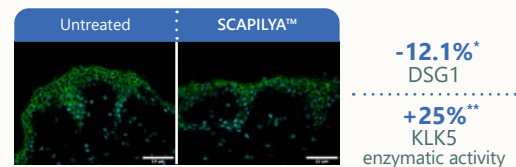
## Mechanism of action

Oily dandruff flakes mainly arise from a combination of scalp inflammation and abnormal corneocyte cohesion. Inflammatory signals disrupt keratinocyte differentiation process and alter the regulation of desquamation enzymes.

### Reduction in the production of pro-inflammatory cytokines



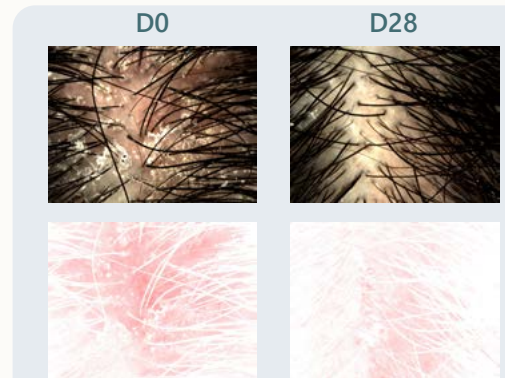
### Desquamation process improvement



DSG1 (Desmoglein-1) is progressively degraded by KLK5 (Kallikrein 5), disrupting corneocyte adhesion and promoting physiological scalp desquamation thus reducing dandruff.

## Clinical studies

- 22 female and male volunteers with flaky and irritated scalp - 20 to 54 years old
- 1% SCAPILYA™ leave-on lotion applied 3 times a week on scalp for 4 weeks



|                | D0               | D28              |  |
|----------------|------------------|------------------|--|
| <b>FLAKES</b>  | -33.3%***<br>D14 | -45.1%***<br>D28 |  |
| <b>REDNESS</b> | -23.7%***<br>D14 | -41.4%***<br>D28 |  |

\*p<0.05, \*\*p<0.01, \*\*\*p<0.001



**NÆMOS**

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