

# CERASULE

**CERAMIDE®**

Ceramide NG emulsion encapsulated with EMISSARY technology, ready to be incorporated cold into formulations.

>98%  
NATURAL  
ORIGIN

BIO  
DEGRADABLE

VEGAN

EASY TO FORMULATE

LOW DOSAGE

COLD PROCESS FRIENDLY

BIOMIMETIC

PRESERVATIVE FREE

SIZE BETWEEN 100-300NM

## IN VITRO EFFICACY

### Restructuration of dermal tissue

Aged skin model.

11 days of treatment.

7 applications.

Free ceramide is not able to generate not collagen nor elastin.

96 %

COLLAGEN RECOVERY

62 %

ELASTIN RECOVERY

## IN VIVO EFFICACY

### Hydration

2x20 volunteers, 2 applications per day.

Hydration Quantified using corneometer.

Cerasule concentration ranging from 0.5 wt% till 10wt%.

Compared with 0.1 and 0.5 wt% of free ceramide.

32 %

MORE HYDRATION WITH JUST 0.5 WT% OF PRODUCT

x2.4

MORE HYDRATION WITH 100 TIMES LESS CERAMIDE CONCENTRATION IN FORMULA

### Protection against inflammation

Aged skin model inflamed with LPS (IL-6 & IL-8) and human skin explants inflamed with NBB (IL-18).

Cytokine concentration determined after 24 hours.

100 %

REDUCTION OF IL-6 & IL-8

75 %

LOWER IL-18 SECRETION

### Calming effect

21 volunteers 56 days.

Formula with 1wt% of CERASULE.

Erythema reduction measured with Mexateter.

Desquamation measured with Visioscan + Corneofix.

Images collected with VisioFace.

54 %

REDUCTION OF ERYTHEMA INDEX

99 %

PREDICTED PROBABILITY TO REDUCE POSTULES & PAPULES



**INCI:** Glycerin, Octyldodecanol, Ceramide NG, Polysarcosine / Sodium Glutamate / Valine copolymer, Aqua, Sodium Dilaureamidoglutamide Lysine.