

- From Flower to Formula
- Bio-fermented from olive oil and Japanese flower yeast

## BIOTECH EDGE

Re:Lameil™ is a **next-generation biosurfactant developed through bio-fermentation of rare yeast from Mt. Tsukuba's wild blossoms and olive oil**. This advanced glycolipid **forms lamellar structures identical to the skin's lipid matrix**, enhancing hydration, reinforcing the barrier, and improving bioavailability. It represents the synergy of clean biotechnology and dermal science, offering deep nourishment, smooth absorption, and a refined sensorial experience for healthy, resilient skin.



## PRODUCT DETAILS

INCI name:	Recommended dosage:	Key Composition:	Appearance:
<b>Glycolipids</b>	<b>0.1-0.2%</b>	<b>MEL</b>	<b>Yellow oily liquid</b>

## APPLICATIONS :



## KEY FEATURES :

POWERED BY MEL (MANNOSYL ERYTHRITOL LIPID)

- A unique glycolipid that mimics your skin's own lipids but works smarter.
- Forms lamellar structures naturally just like your skin
- Penetrates in 60 seconds scientifically proven
- Enhances barrier repair stronger than ceramide and glycerine
- Delivers actives deeper boosts bioavailability
- Improves sensorial feel no stickiness, no residue, no clamminess

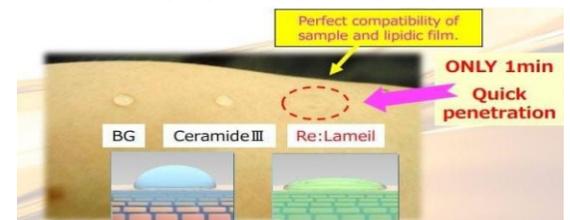
## WHAT IT BRINGS TO YOUR FORMULATION :

- Bio-surfactant with real barrier science
- Vegan & eco-conscious (bio-fermented, not synthetic)
- Effective even with very less % in formulations (0.1–0.2%)
- Clean beauty approved

## EFFICIENCY STUDIES:

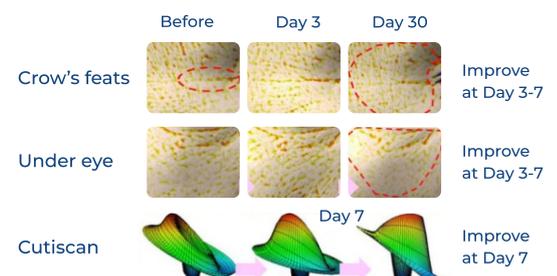
### Skin Compatibility

Re:Laméil + BG > Ceramide III + BG > BG



### Reduction of wrinkle

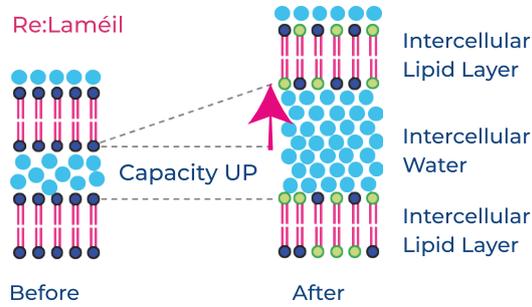
Re:Laméil toner (0.2%, 3%BG) treated whole face at morning and evening. Efficacy was measure by ANTERA and Cutiscan at day 3, day 7 and day 30 after treatment



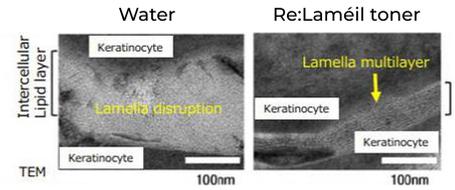
0.2% Re:Laméil improve SC structure and reduce wrinkle retain around eyes (crow's feats and under eye). This efficacy continues 30 days.

Please turn for more

## Water Capacity Improvement



De-lipidated 3D skin by acetone --> water or Re:Laméil treatment



Physically improves skin capacity of water retention in stratum corneum

## Sensorial change

Questionnaire of Re:Laméil lotion.

— 3 days  
— 7 days  
— 30 days

Test Method:

Sample: 0.2% Re:Laméil Lotion

Volunteer: 22 women.

(Average 46 years old)

Sensorial change

1st change:

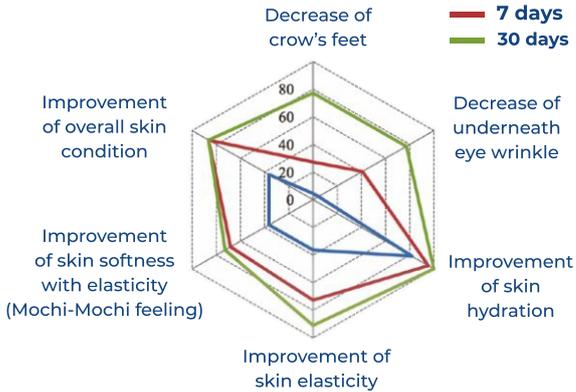
Quick change of hydration feeling within 3 days.

2nd change:

Skin elasticity within 7 days.

3rd change:

Eye wrinkles within 30 days.

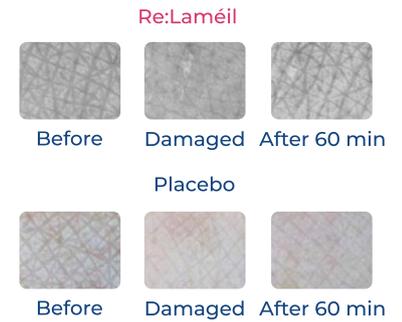


## Fine Skin Texture

Test method: 60 mins

Make skin barrier disruption by tape Strip.

Sample (0.2% Re:Laméil + 3% BG) / Placebol (3% BG).



## Reduction of interfacial force

Comparison of surfactant action

Squalane



19.3mN/m

Re:Lameil 0.1%

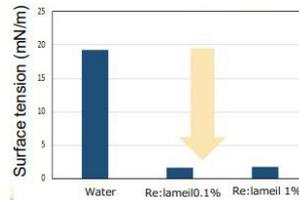


1.6mN/m

Re:Lameil 1%



1.7mN/m



### PENDANT DROP METHOD

Caprylic/ Capric Triglyceride



25.5mN/m

Re:Lameil 0.1%

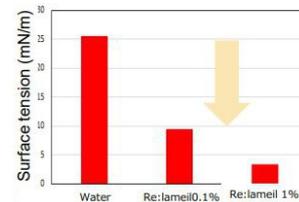


9.5mN/m

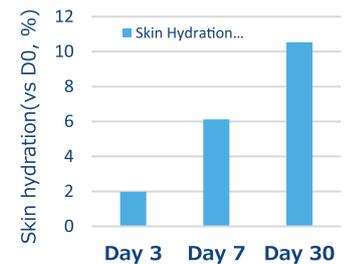
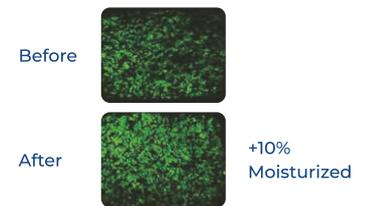
Re:Lameil 1%



3.4mN/m



## Quick Hydration



## CLINICALLY PROVEN BENEFITS :

- Improves water holding capacity
- Quick permeability and penetration
- Demonstrates excellent skin compatibility
- Improves Texture
- Enhances moisture locking capacity
- Repairs skin barrier
- Reduces fine lines and wrinkles

## CERTIFICATIONS :

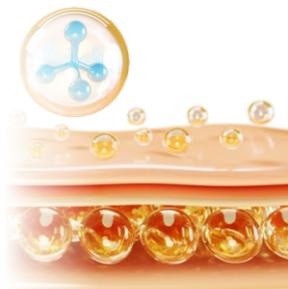


COSMOS APPROVED

E<sub>co</sub>BIO-Surfactant



Certified by The Vegan Society



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