

ÆONOME™

A SECRET HIDDEN 3 MILLION YEARS

BSB Innovation Award®
NATURAL Products 2021
1. Prize Category Most Innovative Raw Material



Ageless booster



Skin microbiota homeostasis



Broad-spectrum skin microbiome aging



Age resilient



MARINE BIORESEARCH

- INCI name of the active ingredient: Bacillus Ferment
- Recommended dose: 1.5-3%
- Solubility: water soluble

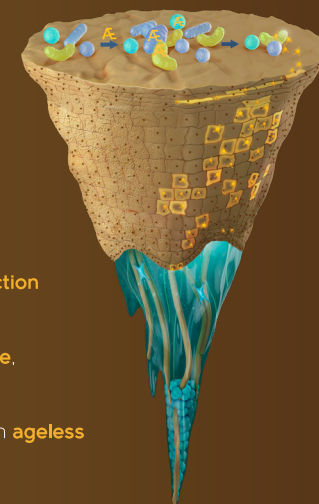
DESCRIPTION & MECHANISM

Discover the hidden secret of an ancient underwater cave located in **Mallorca's Island**, which access is restricted to only researchers. This cave has remained **preserved & protected** from outside for more than **3 million of years** with a **unique microbial community**. Exploring the cave's labyrinthic galleries, Æonome™ unveils itself as an **agebiotic**, a new approach to skin's microbiome to unlock ageless properties. An agebiotic is a prebiotic metabolized by the commensal cutaneous microbiota enhancing the release of ageless postbiotics

Æonome™ is an agebiotic that induces the **release** of **antioxidants** by a **balanced microbiota** protecting skin from visible signs of aging. Æonome™ is metabolized by the commensal cutaneous microbiota enhancing the **production** and **release** of **antioxidant metabolites** (e.g. coumaric acid), protecting the skin cells from **oxidative stress**. Thus, it increases the ability of keratinocytes to produce ageless proteins involved in **skin integrity, dermo epidermal junction cohesion and endogenous antioxidants**

Æonome™'s agebiotic efficacy **reinforces** the **antioxidant protection** of the microbiota of the skin cells' **ageless force**, improving **rugosity, wrinkles** and **hydration**

The reveal of this hidden secret unlocks the unique opportunity to discover the **agebiotic power** of Æonome™ for an **ageless beauty**. Ready to join the adventure?



LIPOTRUE
science & biotechnologies

Raw material approved by ECOCERT GREENLIFE, conform to the COSMOS Standard

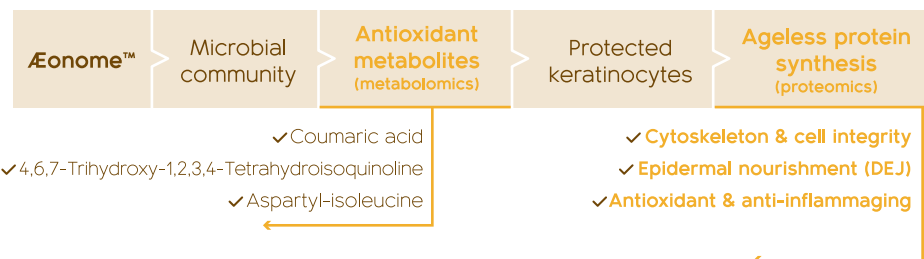
IN VITRO EFFICACY

Antioxidant effect under oxidative stress

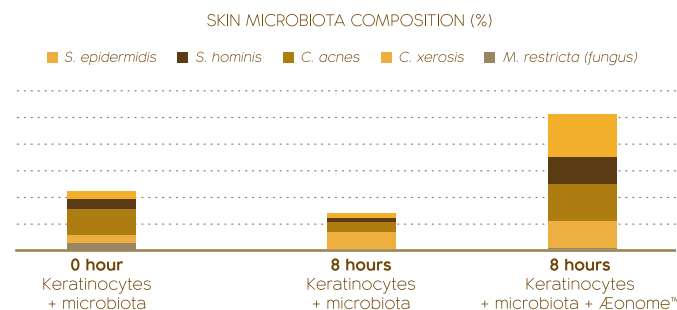
✓ Upregulation of genes involved in **antioxidant** and **detoxification** response

✓ -23% ROS induced by H₂O₂

Agebiotic efficacy



Balanced microbial community



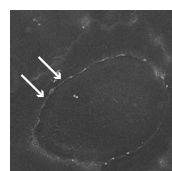
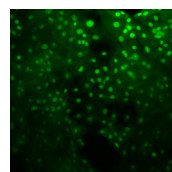
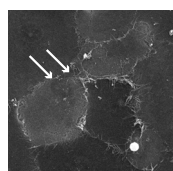
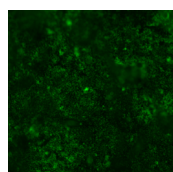
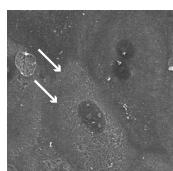
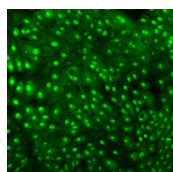
Epidermal cell protection

✓ Skin microbiota reinforced by Æonome™ restores keratinocytes' morphology

Uncolonized Keratinocytes (keratinocytes in green)

Colonized Keratinocytes (keratinocytes & microorganisms in green)

3% Æonome™ + Colonized Keratinocytes (keratinocytes & microorganisms in green)

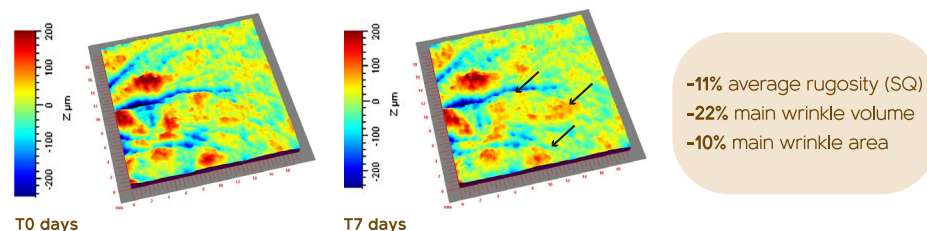


IN VIVO EFFICACY

2 panels of 20 women volunteers (40-55 years old), one group applied placebo and active group applied a cream with 3% Æonome™ twice daily for 28 days, on the whole face

✓ -17.4% volume & -8% area of the main wrinkle in crow's feet in 7 days

✓ Up to 62% & 44% less volume and area of the main wrinkle in crow's feet in 7 days

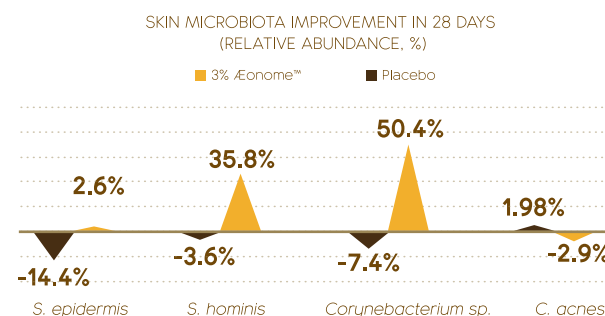


✓ Up to 28% and 85% less rugosity and area of the main wrinkle in forehead in 28 days



✓ Short & long-term moisturization, +11% & +63% in 7 & 28 days

✓ Support of beneficial microorganisms & maintenance of biodiversity on healthy skin (forehead samples T28 vs T0 days)



Next Generation Sequencing