



**COSMOS**  
APPROVED



NATRUE Approved

# GlowAGE™

## Uncover luminous skin



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### **Ziziphus Spina-Christi Extract to Combat Glycation**

GlowAGE™ is based on the extract of the leaves of *Ziziphus spina-christi* and it reduces glycation in the skin for a rejuvenated and radiant appearance.

Glycation links reducing sugars to proteins. This is a slow and steady reaction that takes place in the skin as part of the aging process. Glycation and the resulting advanced glycation end products (AGEs) contribute to collagen stiffening, loss of elasticity, inflammation, and a sallow appearance of the skin.

*Ziziphus spina-christi* is a thorny evergreen shrub that grows in northern Africa, throughout the Middle East, and in northern India. It is very tolerant to high temperatures and long dry seasons. And the leaves of *Ziziphus spina-christi* have been used as herbal remedies throughout history.

In vitro and in vivo studies have shown that GlowAGE™:

- prevents the formation of AGEs
- activates the machinery for the removal of AGEs
- reduces the expression of the AGE receptor that drives glycation-induced inflammation
- reduces the appearance of wrinkles
- reduces AGE formation and collagen fragmentation in the skin
- has an anti-yellowing effect on the skin.

Therefore, GlowAGE™ contributes to a radiant and rejuvenated appearance especially towards mature skin.

GlowAGE™ is COSMOS approved\* and NATRUE approved.

### **GlowAGE™**

- Prevents and reverses glycation
- Decreases yellow skin tone
- Reduces wrinkles and smoothes the skin
- Features collagen-restoring power

### **Applications**

- Anti-aging intensive treatment
- Age defense serum
- Collagen-restoring cream for mature skin
- Skin brightening concentrate
- Skin tone corrector

### **Formulating with GlowAGE™**

- Recommended use level: 2%
- Incorporation: For cold processes, predissolve GlowAGE™ in water and add after emulgation step. In cold/hot processes, predissolve GlowAGE™ in water and add during the cooling phase below 50°C.
- Thermostability: Temperatures of up to 50°C for a short time do not affect the stability of GlowAGE™.

### **INCI (EU/PCPC) Declaration**

Ziziphus Spina-Christi Leaf Extract (and) Trehalose (and) Aqua/Water

### **Additional Information**

- Without preservation
- Without alcohol

\* Raw material approved by ECOCERT GREENLIFE in accordance with the COSMOS Standard



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### Marketing Benefits

- Low carb for the skin
- Extract of a very drought-resistant plant
- Without alcohol and preservation
- 3<sup>rd</sup> prize at the 2021 BSB Innovation Awards in the category Actives: Anti-Aging, Soothing
- COSMOS approved
- NATRUE approved

### Innovating for your success

Mibelle Biochemistry designs and develops innovative, high-quality actives based on naturally derived compounds and profound scientific know-how. Inspired by nature – Realized by science.



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