



COSMOS  
APPROVED



NATRUE Approved

Pinolumin™  
Relax your skin –  
enjoy a flawless complexion



# Pinolumin™

## Relax your skin – enjoy a flawless complexion

### Swiss Stone Pine is Able to Reduce Redness and Improve Skin Homogeneity

Pinolumin™ is a concentrated extract of Swiss stone pine that calms skin hypersensitivity and reduces local skin redness and color irregularities resulting from inflammation.

Swiss stone pine grows preferentially at high altitudes on cold and windy hillsides. This long-living pine, which is called the King of the Alps, contains pinosylvin. This is known to reduce inflammation through several biological pathways.

In vitro studies notably demonstrated that Pinolumin™ inhibits the function of TRPV1. This is a receptor that is over-activated in sensitive skin. Consequently, Pinolumin™ inhibits the release of pro-inflammatory mediators (CGRP, IL-8 and PGE2). Furthermore, Pinolumin™ protects skin collagen by inhibiting the UVA-induced MMP-1 production.

Clinical studies showed Pinolumin™ was able to both strongly and visibly reduce local redness and age spots on the face, which led to a noticeable increase in the overall skin tone homogeneity. In fact, measuring several color parameters on twenty-four different points of the face demonstrated that Pinolumin™ succeeded in increasing the homogeneity of the skin.

Before and after pictures clearly showed a reduction in local redness, dark areas and age spots, which resulted in a more uniform skin tone. Therefore, Pinolumin™ is able to transform an uneven complexion into radiant skin.

Pinolumin™ is COSMOS approved\* and NATRUE approved.

### Pinolumin™

- Calms sensitive and irritated skin
- Visibly reduces redness and age spots
- Creates a more even toned skin for a youthful radiance
- Protects from the effects of environmental stress

### Applications

- Skin care and sun care for sensitive skin
- Neurocosmetics
- Radiance booster
- CC creams (color control)

### Formulating with Pinolumin™

- Recommended use level: 2%
- Incorporation: For cold processes, dissolve Pinolumin™ into the aqueous phase. In hot/cold processes, add during the cooling phase below 40 °C
- Thermostability: Temperatures of up to 40 °C for a short time will not affect the stability of Pinolumin™

### INCI (EU/PCPC) Declaration

Pinolumin™ (standard version, COSMOS approved\*):  
Pinus Cembra Wood Extract (and) Alcohol (and)  
Pentylene Glycol (and) Aqua/Water

Pinolumin™ pwd (powder version, without alcohol, 2-fold concentrated, COSMOS approved\*, NATRUE approved): Pinus Cembra Wood Extract (and) Maltodextrin (and) Aqua/Water

### Additional Information

Without preservation

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

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### Marketing Benefits

- COSMOS approved
- "Swissness" claim
- Without preservation
- Multi-targeted soothing approach
- 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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