

MEADOWESTOLIDE®

INCI: Meadowfoam Estolide

Advanced Skin Hydration Performance



Product Description

MEADOWESTOLIDE® is a unique functionally active ingredient for the effective treatment of skin/lips to provide hydration.

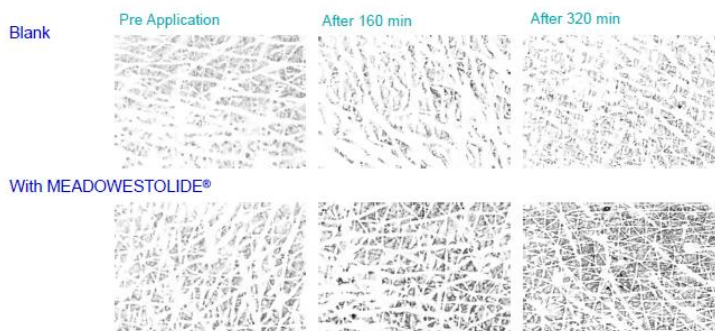
MEADOWESTOLIDE® acts as a bioactive analogue of ceramides functioning as an efficient barrier to water loss



In-Vivo Skin Hydration Study

In-Vivo study comparing the difference in skin hydration between a skin cream with and without 2% MEADOWESTOLIDE®

- **Setup:** 7 male and female participants
- **Test Materials:** Base skin cream with and without 2% MEADOWESTOLIDE®
- **Instrumentation:** Novameter DPM 9003BT® - measures the relative retained water of the skin
- **Method:**
 - o A base cream was applied to the hand/forearm, 1 application
 - o Measurement every 4 hours
 - o 5 applications over 2 days before final measurement
 - o Analysis of skin moisture content and moisture distribution



Microphotographic images of the skin surface after 1 application of a base cream without MEADOWESTOLIDE® vs. cream with 2% MEADOWESTOLIDE® on the hand show an increased hydration distribution in the skin with MEADOWESTOLIDE®

| Time [min] | % Increase in skin hydration | | | | |
|-----------------|------------------------------|------|------|------|------|
| | 0 | 90 | 160 | 240 | 320 |
| Blank | 0 | 47.6 | 26.7 | 15.2 | 16.9 |
| MEADOWESTOLIDE® | 0 | 44.8 | 28.5 | 21.5 | 19.2 |

Enhanced skin hydration with MEADOWESTOLIDE® over time in comparison to blank cream