

# Skin Anti-Aging Benefits of a 2% Resveratrol\* Emulsion

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## Key take aways

Application of MedSkin's 2% resveratrol emulsion supports

- Increase of skin firmness
- Reduction of skin wrinkling
- Reduction of skin redness

and shows the potential as an allround anti-aging treatment with lasting effects.

### \* Resveratrol key facts

- First and only water-based cream with a concentration as high as 2% of solubilized, bioavailable trans-resveratrol available on the market.
- It has been shown that only soluble trans-resveratrol shows sufficient skin penetration and antioxidant activity in the skin.

# Background

- Young and intact skin is highly responsive.
- Skin aging leads to decreased responsiveness.
- External influences like UV radiation and pollution enhance skin aging processes through increased formation of free radicals.
- As a result production of structural components of the skin slows down and signs of skin aging appear.
- Bioactive antioxidant compounds, such as resveratrol, have beneficial effects on skin health by free radical scavenging.

# Study Goal

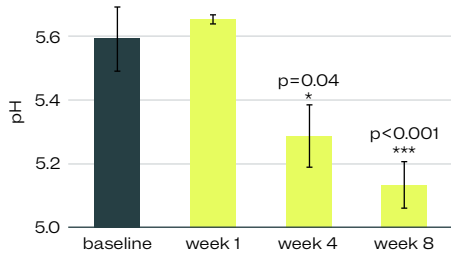
- To evaluate the effect of MedSkin's resveratrol containing emulsion on aging related alterations to the skin.
- Assess the effect on skin elasticity, skin barrier function, skin smoothness, wrinkles, skin redness and skin density.

# Methods

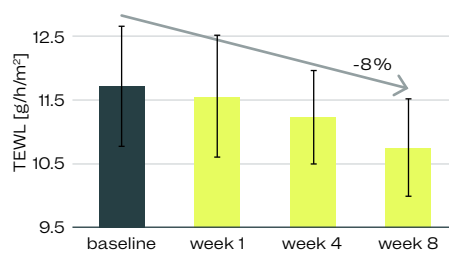
- Clinical observation study with 20 subjects to evaluate the effect of the 2% resveratrol emulsion on typical signs of skin aging.
- Once daily application for a period of 8 weeks in combination with a standardized treatment.
- Skin characteristics were assessed by using a PRIMOS device, a Cutometer, a VISIA system, a skin ultrasound device and dermatological examination.

# Results

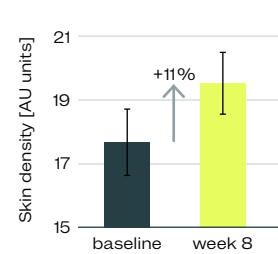
## Significantly lowered skin pH



## Improved skin barrier function

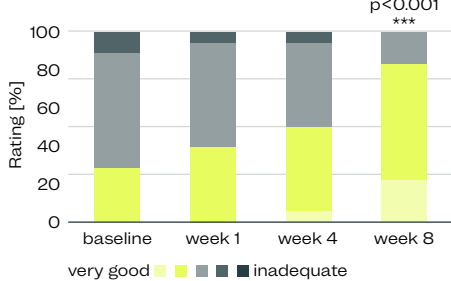


## Increased skin density

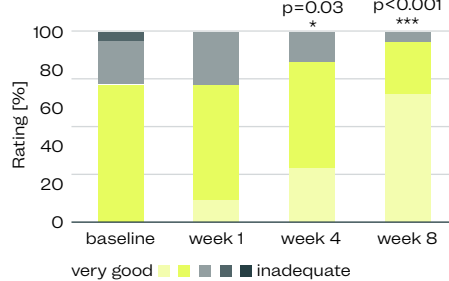


## Continuous improvement of skin appearance characteristics

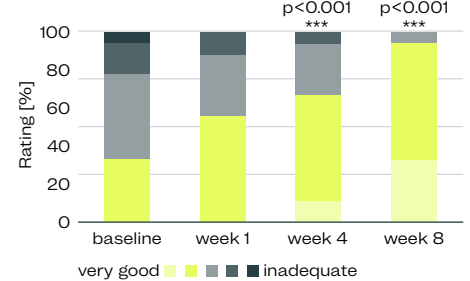
### Skin glow



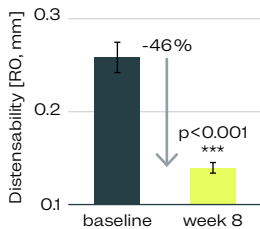
### Skin hydration



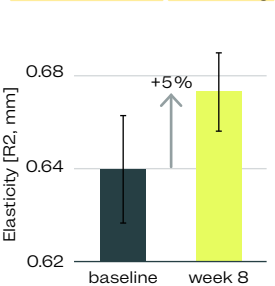
### Smoothness



## Significant improvement of skin firmness



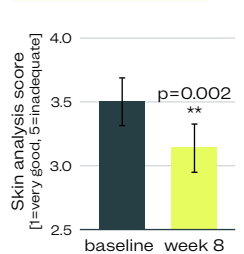
## Elevated skin elasticity



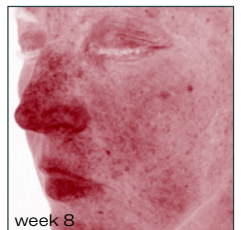
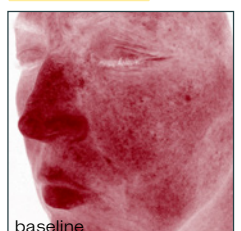
5% equals 10 years younger skin according to Lübbert et al.\*

## Visibly reduced wrinkles and skin redness

### Reduced wrinkles



### Reduced skin redness



\* Lübbert S, Krueger N, Kerscher M. Mechanical properties of human skin in vivo: a comparative evaluation in 300 men and women. Skin Res Technol. 2014 May;20(2):127-35. doi: 10.1111/srt.12094. Epub 2013 Jul 25. PMID: 23889488.

Statistical evaluation was performed through repeated measures ANOVA and post hoc Bonferroni test comparing to baseline.