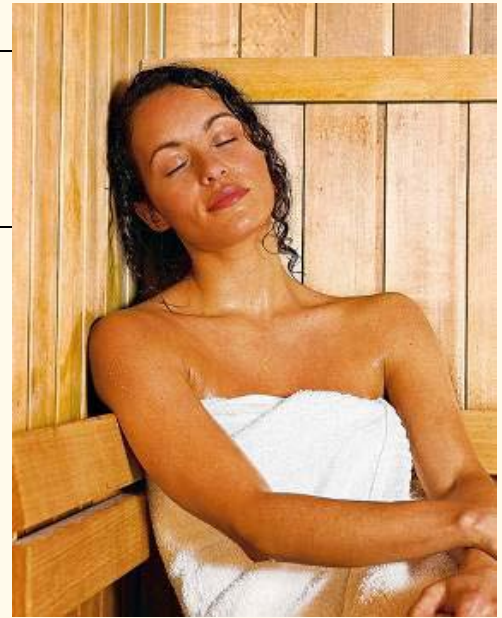

Hygroplex™

A physiological Skin and Hair Moisturizer



Introduction

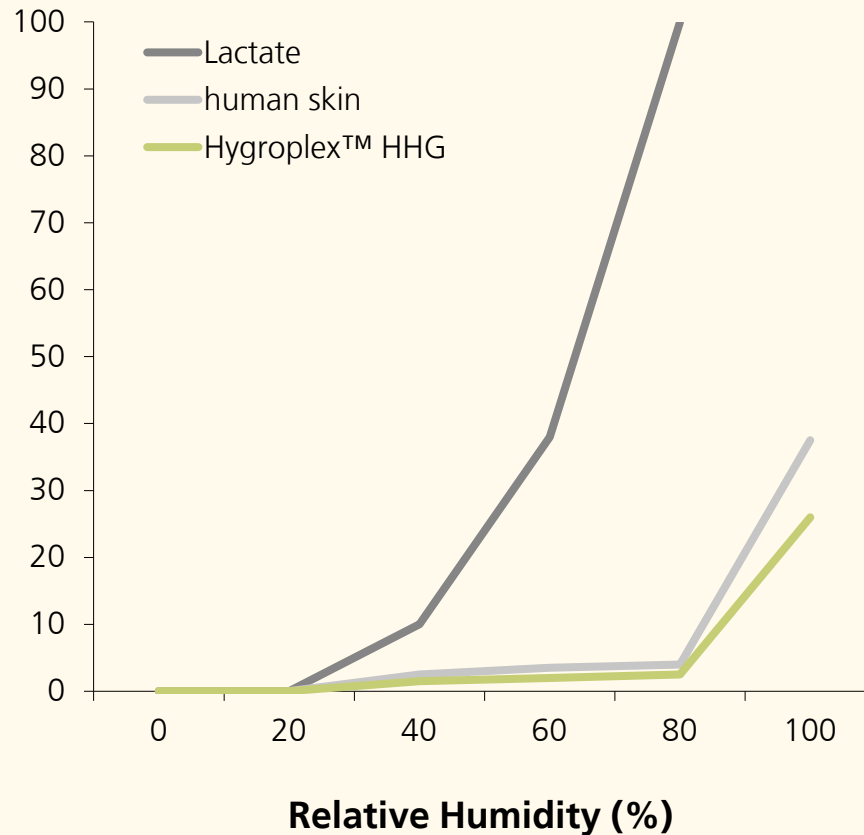
- Adapted to the water-binding capacity of human skin
- Contains ingredients similar to Natural Moisturizing Factors (NMF)
(Mono- and disaccharides, amino acids, urea)



Water-binding capacity of Hygroplex™ HHG

Increase in weight (%)

Absorption of water in relation to air humidity was determined by means of a scale.



Hygroplex™

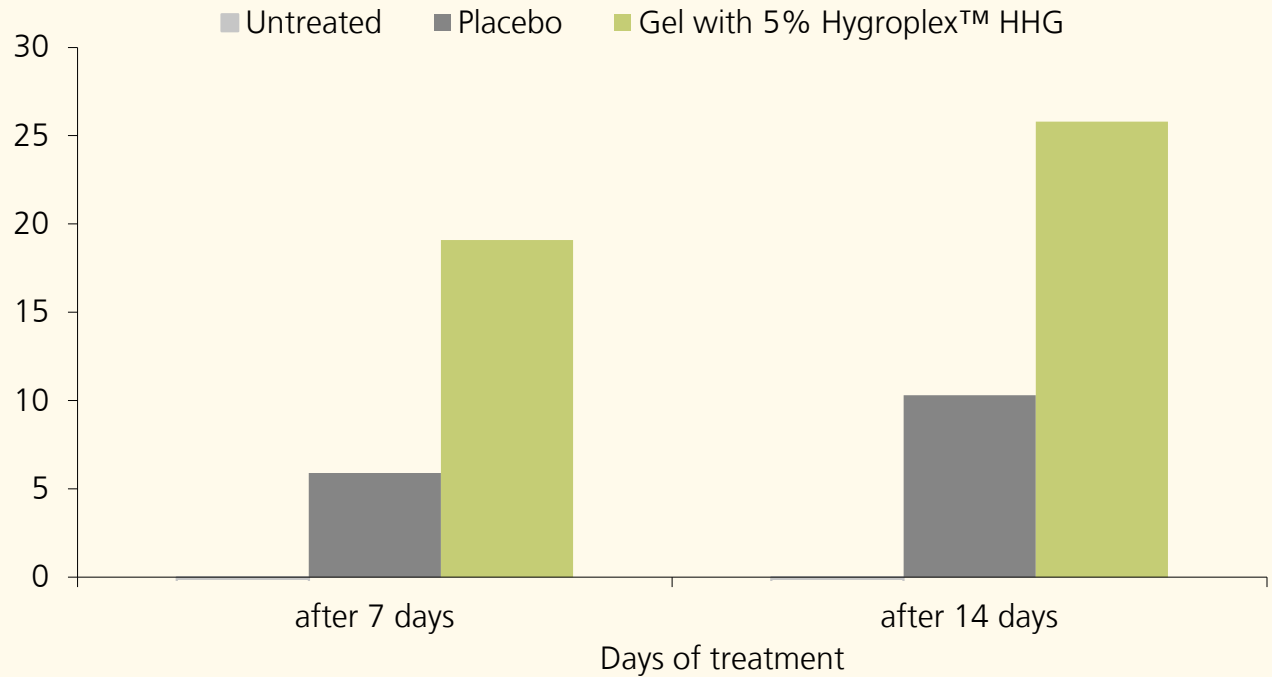
in vivo Results
Skin Care



Increase of Skin Hydration

Increase of Skin Hydration (%)

relative to day 1,
tested on 20
volunteers, age
range: 30-59 years.
Hydration was
determined by
Corneometer.



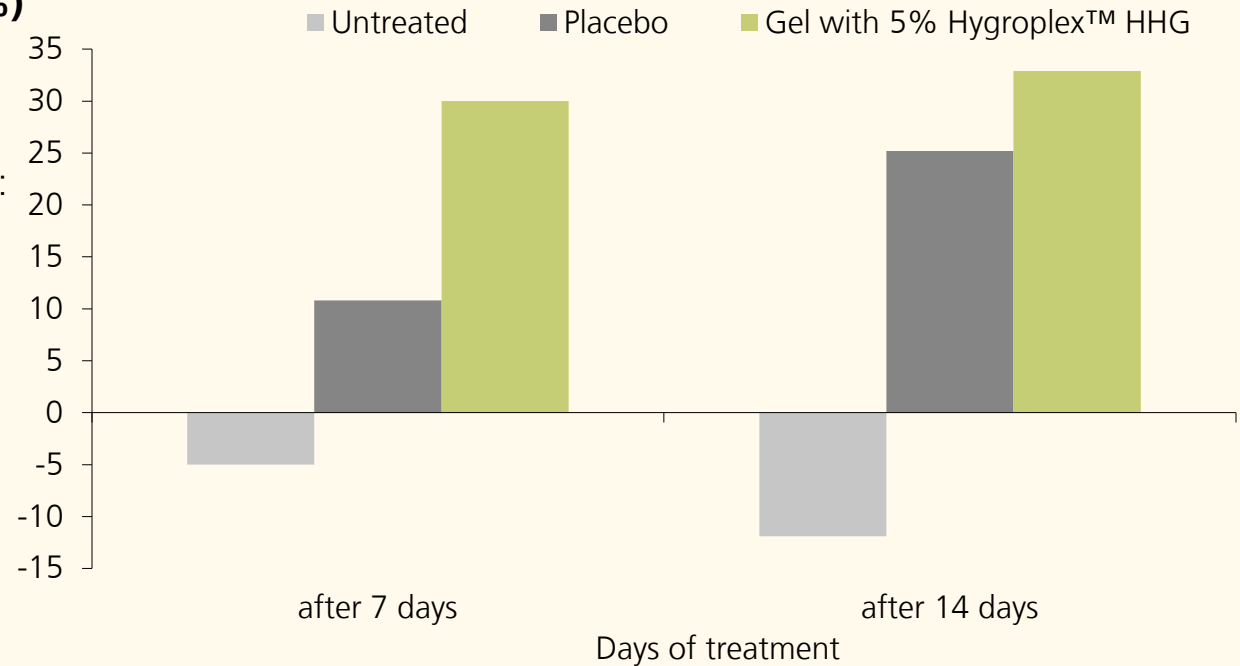
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Increase of Skin Smoothness

Skin Smoothness (%)

relative to day 1,
tested on 20
volunteers, age range:
30-59 years.
Measurement was
done using digital
micromirror device
"PRIMOS".



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Hygroplex™

ex vivo Results
Hair Care

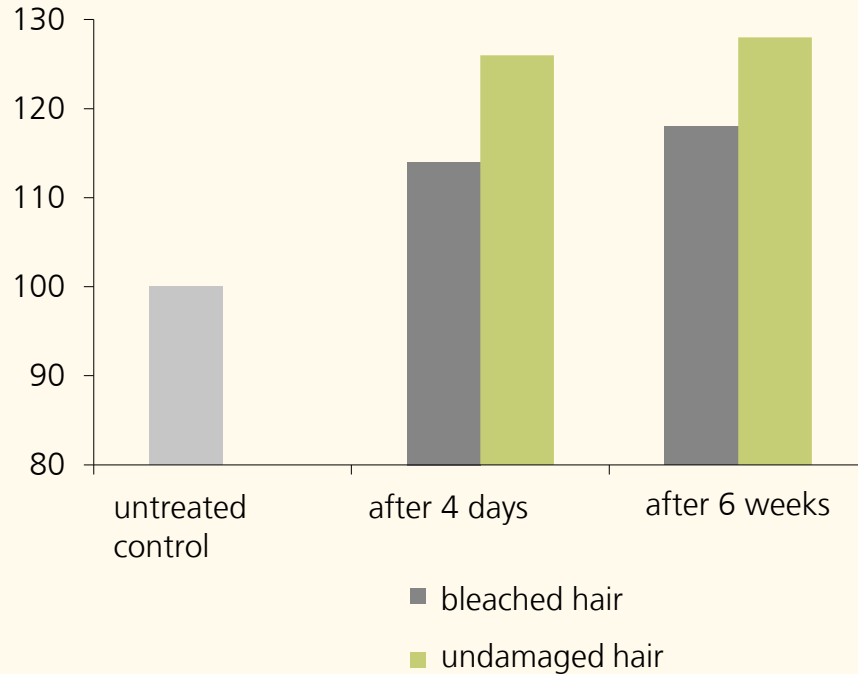


Increase of Hair Water Content

Hair Water Content (%)

related to
untreated control (=100%)

Results of a test on
58 volunteers using
a formulation containing
1% Hygroplex™ HHG.
Water content was
determined by the modified
Fiker method.

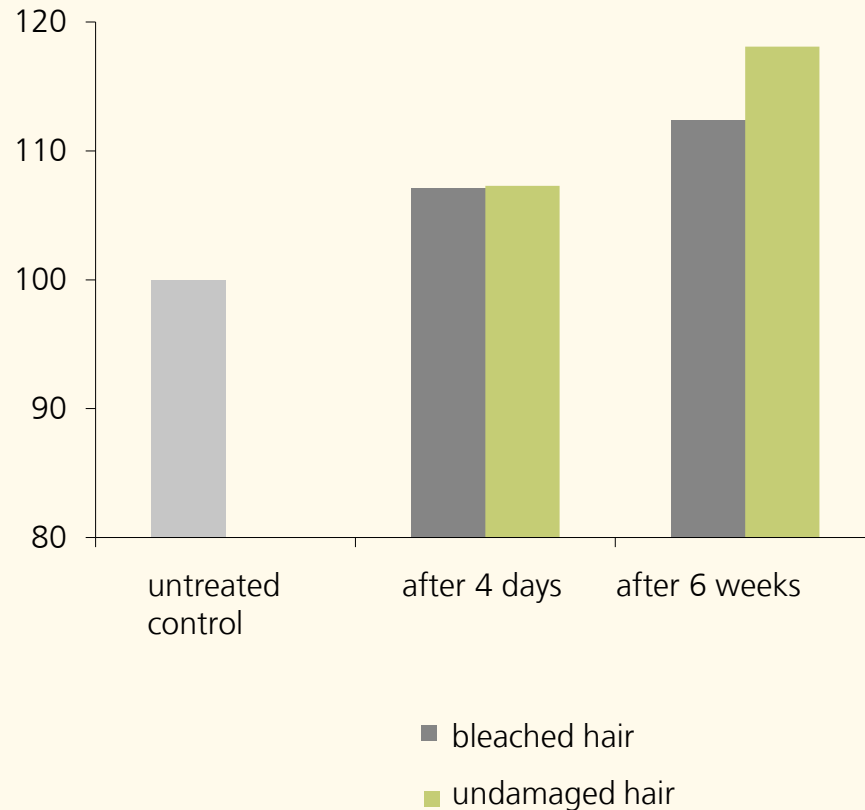


Increase of Hair Elasticity

Hair Elasticity (%)

related to
untreated control (=100%)

Results of a test on
58 volunteers using
a formulation containing
1% Hygroplex™ HHG.



Hygroplex™



Summary



Skin:

- Has equal water-binding capacity to human skin
- Does not dehydrate
- Protects against loss of moisture

Hair:

- Increases water content
- Improves the mechanical properties

INCI Name: Hexylene Glycol, Fructose, Glucose, Sucrose, Urea, Dextrin, Alanine, Glutamic Acid, Aspartic Acid, Hexyl Nicotinate

Dosage: Skin care products: 2.0 - 5% - Hair care products: approx. 1%

recommended pH: 3.0 - 10.0

contains no preserving agents

Available as **Hygroplex™ HHG** with hexylnicotinate or as **Hygroplex™ WHN** without hexylnicotinate.

Hygroplex™

