



CLEOMILK[®]

Phyto-milk for Moisture and Care



RAHN | Cosmetics

Your partner for excellence

CLEOMILK[®]

CLEOMILK[®] is a plant-based phyto-milk like concentrated skin care lotion modelled on Cleopatra's skin care. The formulation, consisting of Black Caraway Oil and Sesame Oil, reduces moisture loss from the skin and has a re-lipidation effect. In combination with Aloe Vera juice, this reinforces the skin's natural water storage. CLEOMILK[®] is free from preservatives and conforms to most natural cosmetic guidelines. Its major constituents are derived from controlled organic cultivation.

Confirmed efficacy

- Protects against dehydration and lowers TEWL – *in vivo* test
- Reduces skin de-lipidation when washing and promotes re-lipidation – *in vivo* test
- Accelerates the regeneration of the skin barrier – *in vivo* test



Active principle



Black Caraway Oil, the oil of the Pharaohs has a revitalising, anti-inflammatory and immunoregulating effect



Sesame Oil – one of the oldest oil plants in the world. Cares for the skin, smoothing and promotes re-lipidation



Aloe Vera – Moisturising plant juice, regenerating, nourishing, harmonising and soothing

Mode of action

(1) Protective film against evaporation

Leave-on: long-chain, water-retentive Aloe polysaccharides form a protective film on the skin

Rinse-off: lipid layer reduces the TEWL

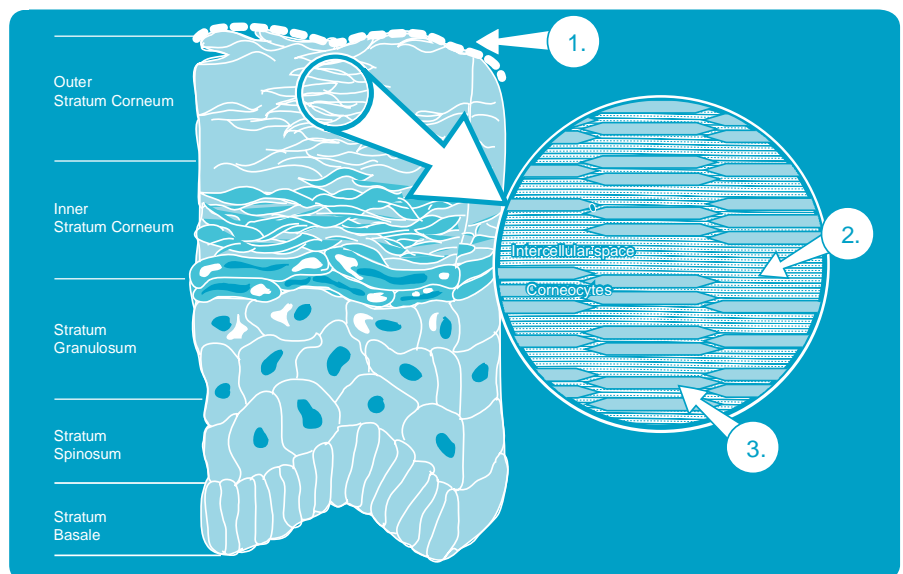
(2) Supports the lamellar lipid matrix

Black Caraway Oil and Sesame Oil with unsaturated fatty acids

(3) Reinforces the NMF

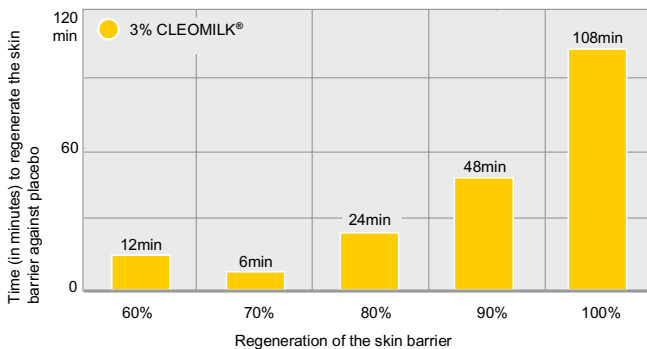
Hygroscopic Aloe molecules:

- amino acids
- carbohydrates
- minerals



Studies of efficacy

Skin moisture – *in vivo* study with *rinse-off* product CLEOMILK® in shower gel



Test parameters: Transepidermal water loss (TEWL) of the Stratum Corneum, inside of the arms

Method: Treatment with 3% CLEOMILK® or placebo; 10 test subjects, age: between 24 - 47; measuring device: evaporimeter

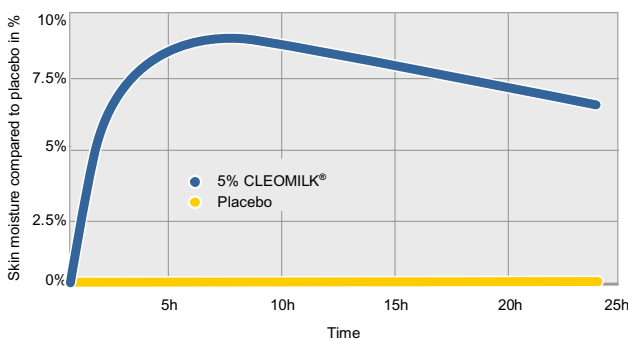
Result: Effectiveness in *rinse-off* products confirmed; accelerates regeneration of the skin barrier; reduction of the TEWL promotes skin moisturisation

Skin moisture – *in vivo* study with *leave-on* product CLEOMILK® in cream gel

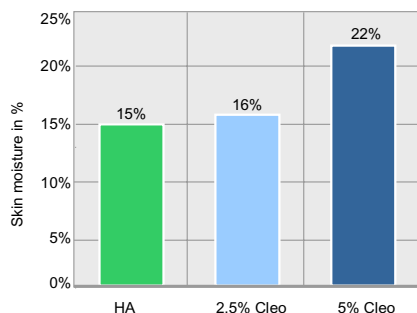
Test parameters: Hydration of the Stratum Corneum

Method: 20 test subjects, age: 36; measuring device: Corneometer®

a) Treatment with 5% CLEOMILK® compared to placebo (0% CLEOMILK®)

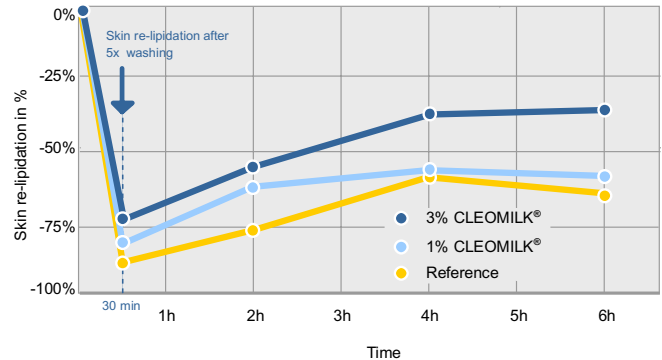


b) Treatment with 0.1% Hyaluronic Acid; 2.5% and 5% CLEOMILK® compared to untreated skin



Result: Moisturising effect up to 8.5% compared to placebo and +7% compared to Hyaluronic Acid

Re-lipidation – *in vivo* study with *rinse-off* product CLEOMILK® in shower gel



Test parameters: Lipid content of the Stratum Corneum, face

Method: Treatment with 3%, 1% CLEOMILK® and reference (1% PEG-7 Glyceryl Cocoate); 10 test subjects, age: 24 - 47; measuring device: sebumeter

Result: Effectiveness in *rinse-off* products confirmed; (a) counteracts skin de-lipidation and (b) accelerates the re-lipidation of the skin

Concentration

1-5%

Application

Washing gels, shower gels, washing lotions, washing creams, bath products, liquid soaps, which are intended for use on the face and body. Suitable for O/W emulsions.

INCI

EU: Sesamum Indicum Seed Oil, Aqua, Glycerin, Sucrose Stearate, Glyceryl Caprylate, Nigella Sativa Seed Oil, Aloe Barbadensis Leaf Juice Powder, Xanthan Gum

USA: Sesamum Indicum (Sesame) Seed Oil, Water, Glycerin, Sucrose Stearate, Glyceryl Caprylate, Nigella Sativa Seed Oil, Aloe Barbadensis Leaf Juice Powder, Xanthan Gum

Japan: Sesamum Indicum (Sesame) Seed Oil, Water, Glycerin, Sucrose Stearate, Glyceryl Caprylate, Nigella Sativa Seed Oil, Aloe Barbadensis Leaf Juice Powder, Xanthan Gum

Additional information

Natural Cosmetics: Ecocert conform

Preservatives: Free of preservatives

Animal experiments: Not tested on animals. Contains no substances of animal origin

Toxicology: Non-toxic for humans and the environment

Safety: GMO-free, BSE-free, CMR-free; contains no pesticides, mineral oil or heavy metals



RAHN AG
Dörflistrasse 120
CH-8050 Zürich
Tel. +41 44 315 42 00
Fax +41 44 315 42 45

RAHN GmbH
Hahnstrasse 70
DE-60528 Frankfurt am Main
Tel. 0800 1 816 015
Fax 0800 1 816 016

RAHN (UK) Ltd.
75 Park Road
GB-Peterborough PE1 2TN
Tel. 0800 0 323 743
Fax 0800 0 323 744

RAHN USA Corp.
1005 North Commons Drive
Aurora, Illinois 60504, USA
Tel. +1 630 851 42 20
Fax +1 630 851 48 63

Cosmetics@rahn-group.com
www.rahn-group.com

Disclaimer
Utilisation of this document or parts thereof as well as product names for commercial or industrial applications is subject to explicit written approval by RAHN AG. This information is based on our own experience to date and we believe it to be reliable. It is intended only as a guide to use at your discretion and risk. We cannot guarantee favourable results and assume no liability in connection with its use, or the use of the methods or products described. None of this information is to be taken as a license to operate under, or a recommendation to infringe patents.

Version 02/2009

RAHN | Cosmetics

Your partner for excellence