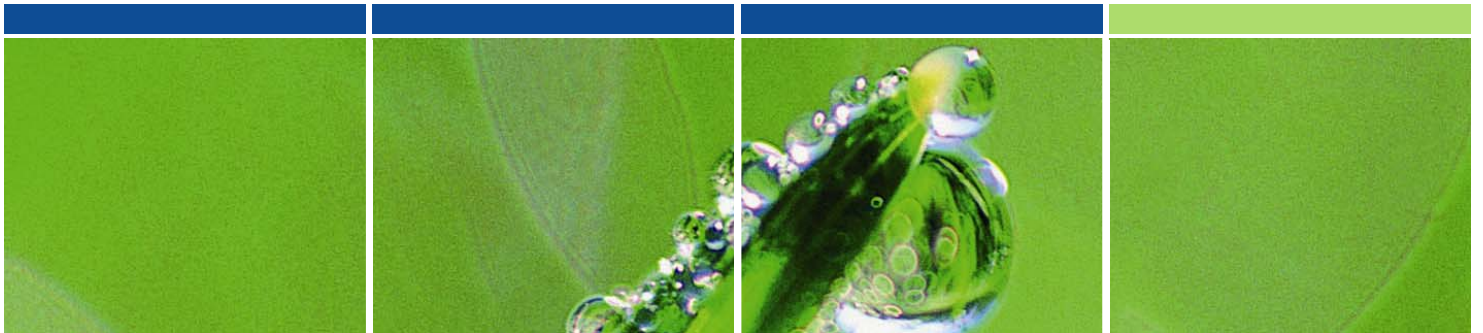




# AQUARICH<sup>®</sup> (eco)

Moisture & Care for Skin & Hair



**RAHN** | Cosmetics

Your partner for excellence

# AQUARICH® (eco)



AQUARICH® (eco) is a unique moisturiser for skin and hair. Extract of black oats contains water-retaining substances such as polysaccharides and amino acids. In this way the skin's own NMF is supported. Plant-based lecithin strengthens the lamellar lipid matrix of the epidermis. The transepidermal water loss is reduced. When used on the hair AQUARICH® (eco) has a repair effect: the degree of damage to the hair and the surface structure of previously damaged hair are clearly reduced. AQUARICH® (eco) is approved by Ecocert for the use in naturally derived cosmetics.

## Proven efficacy

- Deeply effective and long-lasting improvement in skin hydration (*in-vivo* study)
- Increase in skin moisture already with a concentration for use of 1% AQUARICH® (eco) (*in-vivo* study)
- Hair repair effect: up to 43% improvement in hair structure with a concentration for use of 0.2% AQUARICH® (eco) (*ex-vivo* study)



Extract of black oats with a high content of natural water reservoirs forms a film of moisture on the skin. Hygroscopic substances reinforce the skin's own NMF. In hair applications the polysaccharides and amino acids in black oats improve the structure of the surface of the hair, make it easier to comb and improve shine.



Lecithin from soybean (GMO-free) stabilises the lamellar lipid matrix of the epidermis by means of its valuable components. The transepidermal water loss (TEWL) is reduced. The skin is better protected against evaporation. The hair is coated in lecithin, protruding scales are sealed. The surface of the hair becomes clearly smoother.

## Visible results from AQUARICH® (eco)

Untreated



Placebo



2%



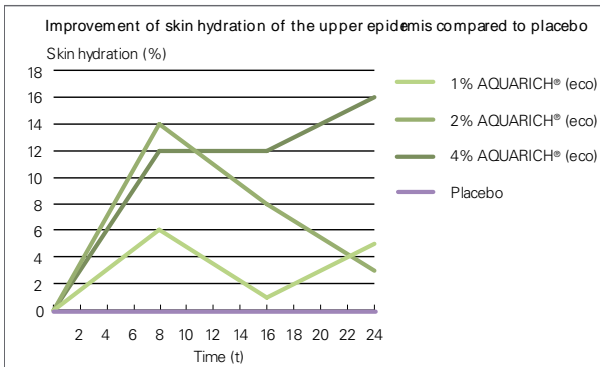
4%



Already after seven days' use a gel with 2% AQUARICH® (eco) leads to a visible improvement in the condition of very dry, flaky skin. The use of 4% AQUARICH® (eco) reinforces the effect.

## Efficacy studies

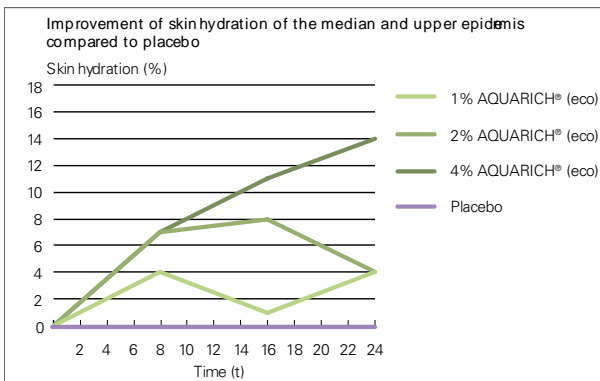
### Effect of AQUARICH® (eco) in skin hydration – *in-vivo* study



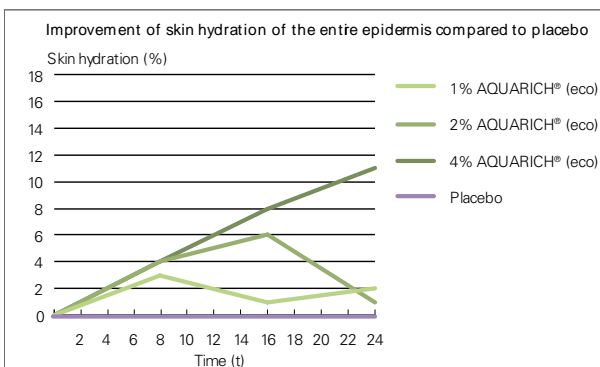
**Measurement parameter:** Hydration of the epidermis

**Method:** Single treatment with 1%, 2% or 4% AQUARICH® (eco), Placebo: 0% AQUARICH® (eco), 23 test subjects, measurement 0h, 2h, 8h, 24h after treatment, age: 51; measuring device: Hydrascan®

**Result:** The test results confirm the efficacy of AQUARICH® (eco) as a moisturiser. Already with a use level of 1%, skin moisture in all layers of the epidermis increases by up to 6%.

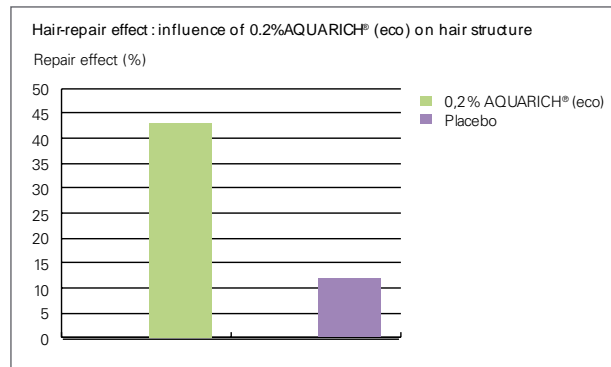


2% AQUARICH® (eco) already has a longer lasting effect in all layers of the epidermis. The test product with 4% AQUARICH® (eco) increases skin moisture in all layers of the epidermis by up to 16% compared to the placebo. With 4% AQUARICH® (eco) over 24h the moisture level is increased in the entire epidermis.



AQUARICH® (eco) is not only deeply effective, but also leads to a sustained improvement of skin moisture.

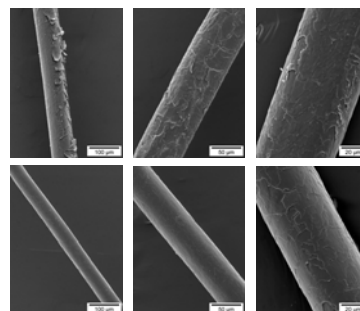
### Effect of AQUARICH® (eco) on the structure of the hair – *ex-vivo* study



**Measurement parameter:** Damage to the surface of the hair

**Method:** Material: natural, bleached hair with serious damage to the surface, 5 washing and drying cycles (rinse, shampoo for 5 min, rinse off, blow-dry for 2 min), test shampoo: 0.2% AQUARICH® (eco), Placebo: 0% AQUARICH® (eco), hair surface recorded by means of S.E.M. and surface structure evaluated using a scale

**Result:** 0.2% AQUARICH® (eco) improves the hair structure by 43% compared to non-treated hair and by 31% compared to the placebo.



Bleached, highly stressed hair before treatment

Bleached, highly stressed hair after the use of a shampoo with 0,2% AQUARICH® (eco)

## Concentration for use

1 - 5% for skin application  
0,2 - 2% for hair application

## Areas of application

Moisturising care for skin and hair. Can be used in gels, emulsions (W/O and O/W), shampoos and hair conditioners.

## INCI

**EU:** Glycerin, Aqua, Avena Strigosa Seed Extract, Lecithin

**USA/Japan:** Glycerin, Water, Avena Strigosa Seed Extract, Lecithin

## Further information

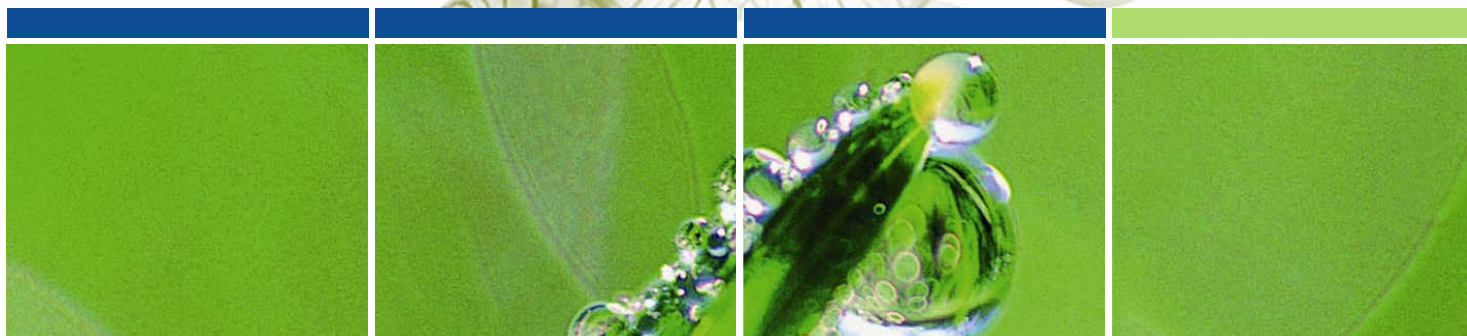
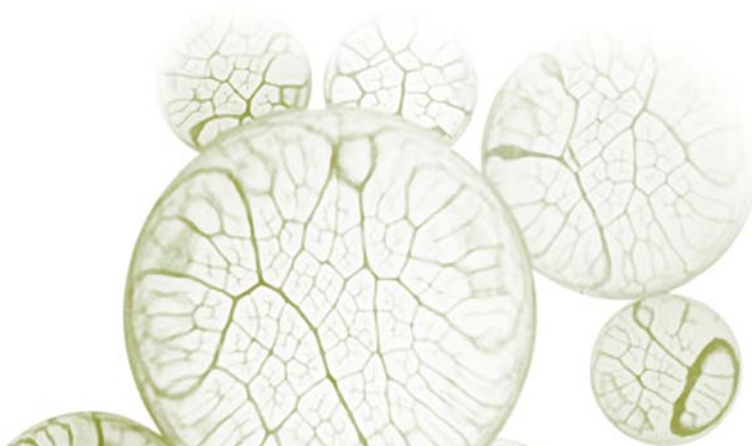
**Natural Cosmetics:** Ecocert listed

**Preservative:** 0.2% potassium sorbate

**Animal testing:** Not tested on animals, no ingredients of animal origin

**Toxicology:** Non-toxic to people and the environment

**Safety:** GMO-free, BSE-free, CMR-free, pesticide-free, free from mineral oils, free from 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: 11/2009

**RAHN** | Cosmetics

Your partner for excellence