



Hydagen® Aquaporin

Booster of cellular water channels

One of the fundamental processes of life is the transportation of water molecules through the surface layer of the cells. The structure of these channels has been clarified in the 1990s, and the corresponding proteins were named Aquaporins. The discovery of these water canals was awarded with the Nobel Prize in chemistry in 2003. BASF now makes one of the best-known Aquaporin-stimulating substances available to the broad cosmetic market: the active matter of Hydagen® Aquaporin is made of highly concentrated glyceryl glucoside. Clinical studies prove that Hydagen® Aquaporin boosts the moisturizing capacity of glycerin, for an instant and 24 hours hydration.

Product Description

Active ingredient stimulating the formation of Aquaporin water channels in skin cells.

Consumer Benefits

Moisturization

TEWL reduction / Cutaneous barrier strengthening

Feminine hygiene

Energizing

Vitalisation



In Vivo

Skin moisturization

In Vitro / In Tubo

Stimulation of ATP and involucrin synthesis by keratinocytes

Stimulation of Aquaporin (AQP3) synthesis by keratinocytes

Clinical Study Results

Age of Volunteers: Volunteer panel >18

Results Time Scale: Immediate, 24 hrs

Tested Skin Area: Arms

Target Molecules in the Skin

Epidermis components

Aquaporins

Nature of Active

Compliance: Listed in IECIC

Origin: Vegan

Special Formulation Features: Low pH tolerant, High pH tolerant, Colorless, Cation compatible

Preservatives

None

INCI

Glycerin (and) Glyceryl Glucoside

Form of Delivery

Liquid