

Barrier enhancing

Skin nurturing

Anti-oxidant

INCI: glycerine, water, *Spirulina platensis* extract

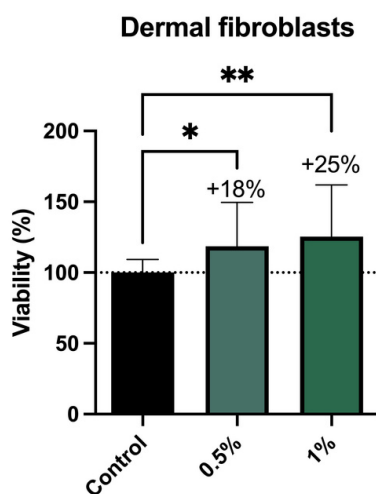
Skin health benefiting microalgae

AquaCell is derived from blue-green microalgae *Spirulina platensis*. The extract provides nutrients for cell growth and skin cell normal turnover of skin cells. Its potent antioxidant properties help protect the skin from environmental stressors. Dominating compounds: mix of algal pigments, amino acids and vitamins.



Chemical composition

Rich in skin health and regeneration promoting amino acids, peptides and polysaccharides. Contains phycocyanin - a well known protein-pigment complex with strong antioxidant activities.



Over 72h period AquaCell statistically significantly increase the proliferation of dermal fibroblasts.



Amino acids (isoleucine, glutamic acid, valine, phenylalanine, arginine, tyrosine, methionine, lysine)—improve moisture retention, enhance barrier function, support collagen synthesis



Vitamin B3 – enhances barrier function, controls excess oil production



β-D-Mannopyranose – supports barrier function, helps retain moisture



Dipeptides and tri-peptides – small peptides composed that contribute to extracellular matrix synthesis

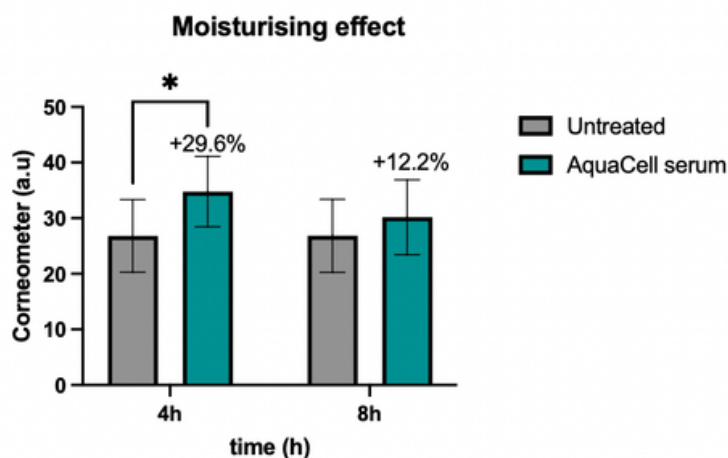


Phycocyanin – algal pigment that has antioxidative activity, supports barrier function and helps maintain skin moisture

In vitro efficacy

Provides nutrients for cell growth and significantly increases the proliferation of dermal fibroblasts.

Protects skin cells from exogenous and endogenous oxidative stress



Volunteers (n=11) with dry skin type applied the serum containing 2% AquaCell and skin hydration was measured using Corneometer® CM 825 4 and 8 hours after application and skin hydration compared to untreated skin area.

Skin hydration increased noticeably 4 hours after application, with lasting benefits beyond 8 hours — demonstrating the moisturizing efficacy of AquaCell.

Recommended uses

- Use level 1-4%
- Serums and creams intended for face and body skin hydration and regeneration
- Moisturising and nourishing products for periorcular skin
- After-sun products for skin hydration and moisturisation

Technical specification – data sheet

Product	AquaCell INCI: Glycerin (and) aqua (and) <i>Spirulina Platensis</i> extract
Appearance	Green to dark green, slightly opalescent. Formation of small amounts of precipitate is normal and does not affect the quality.
Odour	Characteristic
pH	7.0 ± 1 at room temperature (22... 25 °C)
Solubility	Water soluble
Density	1.10 – 1.20 g/l at room temperature (22... 25 °C)
Microbiological quality (total plate count)	Aerobic mesophilic bacteria < 100 cfu/g (ISO 21149) Yeasts < 100 cfu/g (ISO 16212) Enterobacteria 0 cfu/g (ISO 18415)
Recommended concentration for use in cosmetic products	1 - 4 %
Shelf life and storage conditions	12 months Store in room temperature, protect from light.

AquaCell — registered in the China National Medical Products Administration (NMPA) ingredient submission system.

AquaCell – 228275-14381-1471