

Arabian Cotton™

Protection against Photo-ageing



An active ingredient enriched with defensive plant molecules that protect and repair cell structures against light radiation.

- Photo-protection against solar radiation
- Photo-induced ageing reversed
- Broad spectrum protection (UV/VIS/HEV/IR)
- Collagen & elastin booster

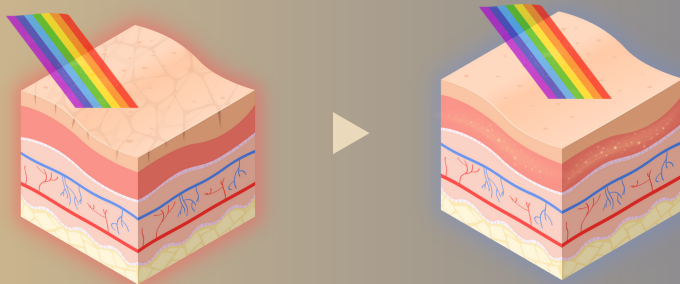


Gossypium herbaceum

Gossypium herbaceum, also known as cotton, is an extremophile plant, rich in phytochemicals (polyphenolic chromophores) to tackle photoageing and provide a broad-spectrum protector.

Mechanism of action

Delivering powerful biological UV protection by working from within the skin, actively prevents premature ageing and tackles free radicals generated by UV radiation. This is achieved through:



PHOTODAMAGED SKIN

PHOTOPROTECTED SKIN

- ✓ Harnessing the skin's natural defence mechanisms
- ✓ Tackling inflammation caused by UV exposure

REQUEST
A SAMPLE



Arabian Cotton™ proven efficacy

IN VITRO

REGENERATING ACTIVITY & INFLAMMATION MODULATOR

Arabian Cotton™ is a multi-active ingredient against photo-ageing:

ELASTIN SYNTHESIS UP TO **+64%**

INFLAMMATION MARKERS BY **-55%**

PHOTO-PROTECTION AGAINST BLUE LIGHT DOWN TO **-24%**
REDUCTION OF ROS PRODUCTION

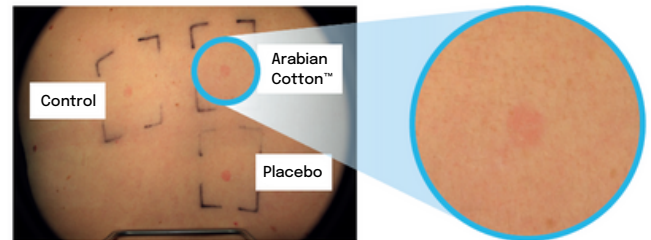
ENHANCEMENT OF CELL VIABILITY UP TO **+36%**
KERATINOCYTES VIABILITY INCREASE

IN VIVO

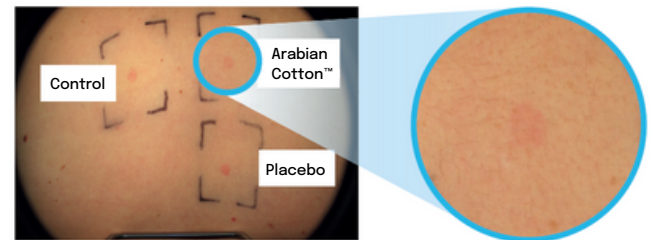
ERYTHEMA SOOTHING

Reducing erythema inflammation down to -52% after 2 hours of application of a sensitizer patch.

BEFORE



AFTER 2 HOURS WITH ARABIAN COTTON™



IN VITRO

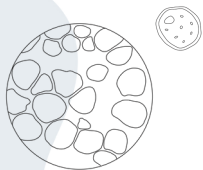
BROAD SPECTRUM ANTIOXIDANT & PHOTOPROTECTOR

ROS PRODUCTION DOWN TO **-35%**

PROTECTION FROM COLLAGEN DEGRADATION UP TO **+107%**

MULTIFUNCTIONAL INGREDIENT
AGAINST PHOTO-AGEING

- ✓ PHOTOPROTECTION EFFECT
- ✓ ENHANCEMENT OF CELL VIABILITY
- ✓ ECM BOOSTING ACTIVITY
- ✓ MODULATION OF INFLAMMATORY RESPONSE
- ✓ BROAD SPECTRUM ANTIOXIDANT (UV/VIS/IR RADIATION)
- ✓ MULTIFUNCTIONAL INGREDIENT AGAINST PHOTO-AGEING



INCI (Active)

Glycerin, Gossypium Herbaceum (Cotton) Seed Extract, Citric Acid

DOSAGE

0.5 - 2%

FORMULATION

Dispersible in water and ethanol
Incorporation during the cooling phase (<40°C)
For more details, please refer to our formulation guides.

