



HEMP



RICE

# VEGEKER-PLUS

## HEMP AND RICE PHYTKERATIN



COSMOS APPROVED

### PRODUCT DESCRIPTION

Keratin is a highly stable and resistant filamentous protein, forming the main constituent component of hair and nails. It basically consists of long chains of amino acids, with an alpha-helix or beta-sheet secondary structure (for example in hair cuticle), in which vitamins, lipids and trace elements are also present.

One of the most commonly used cosmetic ingredients designed to improve the mechanical properties of hair is animal-origin keratin due to its effectiveness. Recently, however, the cosmetics sector has moved towards a more plant-based approach as an alternative to the use of animal-sourced raw materials.

Enzymatic Bioliquefaction technology was employed to hydrolyse a combination of Hemp and Rice proteins and obtain VEGEKER-PLUS, a completely plant-based product that acts as a replacement for animal keratin in cosmetic hair-care products, giving hair much greater strength and elasticity.

### BENEFITS

- **Strengthens hair** (+ 85% ex vivo test)
- **Makes hair more elastic** (+ 8% ex vivo test)
- **Hemp based ingredient**
- **An alternative to animal keratin**
- **More effective than animal keratin**

### TECHNICAL INFORMATION

**INCI:** aqua, hydrolyzed hemp seed extract, hydrolyzed rice protein, citric acid, sodium benzoate, potassium sorbate.

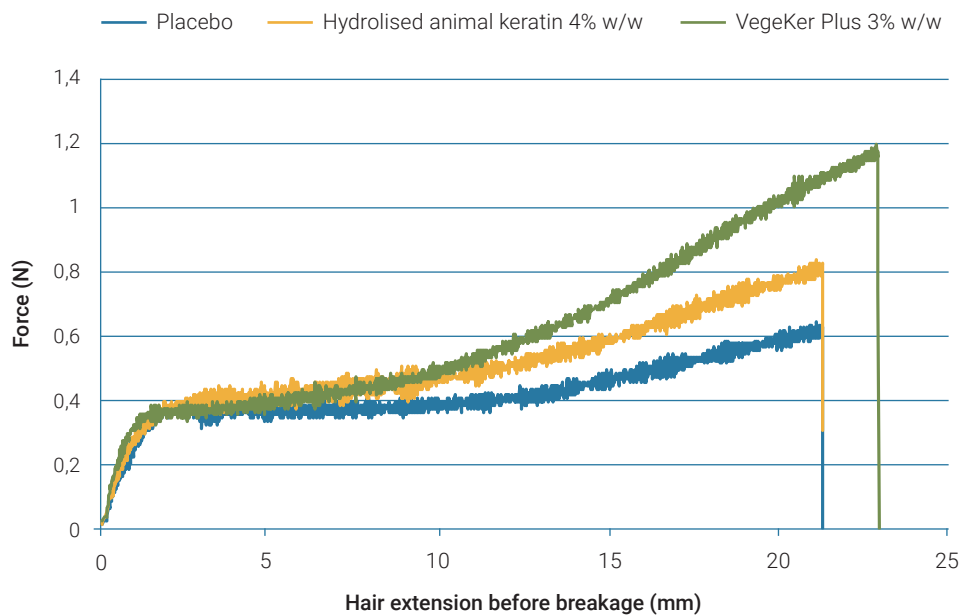
**PLANT USED:** Hemp and Rice.

**TECHNOLOGY:** Bioliquefaction Technology.

**SUGGESTED CONCENTRATION OF USE:** 3% w/w.

**ORGANIC STATUS:** COSMOS approved.

**CHINA STATUS:** also available in China compliant version.



Graph of the extension of the hair vs. force applied. VEGEKER-PLUS is more effective than animal keratin.



# CANNABIOT

## HEMP FOR SKIN AND MICROBIOTA WELLNESS



### PRODUCT DESCRIPTION

Hemp is a well-known effective remedy against dehydrated and dry skin as well as being a potent anti-inflammatory and it is becoming one of the must-have ingredients in the cosmetics sector also for marketing purposes.

Cannabiot is a hemp derived active ingredients produced from seeds treated with our exclusive Bioliquefaction Technology in order to release the complete phytocomplex of the plant.

Cannabiot is able to positively modulate the microbiota of healthy skin and helps skin and skin microbiota to recover from irritations and biodiversity depletion.

Cannabiot is a fast acting soothing agent able to help the skin to recover from erythema and to reduce the trans epidermal water loss.

Cannabiot is a hydrating agent able to increase skin moisturisation and to reduce skin scanlines. The product can also remarkably increase skin elasticity and reduce skin roughness.

### BENEFITS

- **Positively modulates skin microbiota** (*in vivo* test)
- **Promotes the recovery of skin microbiota after insult** (*in vivo* test)
- **Soothes irritated skin** (*in vivo* test)
- **Reduces TEWL of irritated skin** (*in vivo* test)
- **Promotes skin hydration** (+ 15.4% *in vivo* test)
- **Reduces skin scaliness** (- 22.7% *in vivo* test)
- **Increases skin elasticity** (+ 49.7% *in vivo* test)
- **Reduces skin roughness** (- 7.7% *in vivo* test)

### TECHNICAL INFORMATION

**INCI:** glycerin, *Cannabis sativa* seed extract, citric acid.

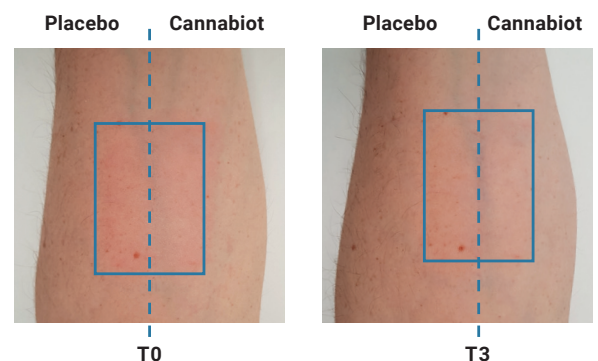
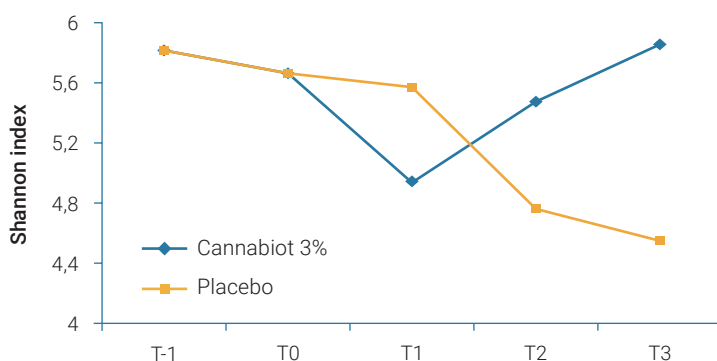
**PLANT USED:** hemp seeds (cannabinoids <2ppm).

**TECHNOLOGY:** Bioliquefaction Technology.

**SUGGESTED CONCENTRATION OF USE:** 3% w/w.

**ORGANIC STATUS:** COSMOS approval submitted.

**CHINA STATUS:** also available in China compliant version.



Skin microbiota biodiversity (Shannon Index) recovery promoted by Cannabiot 3% w/w after a pro inflammatory insult (SLS treatment).