

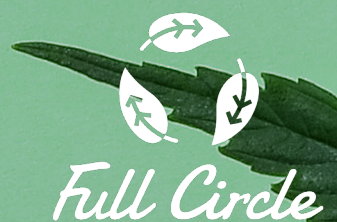
The background of the entire page is a solid light green color. Several hemp leaves are scattered across the page, some partially cut off by the edges. The leaves are a darker shade of green and have a serrated, palmate shape. One large, complete leaf is positioned in the lower-left quadrant, while others are in the top-left, top-right, and middle-right areas.

# Hemp **NECTA**®

**NOURISHING | SOOTHING**

Made from upcycled hemp seeds diverted from food waste, Hemp NECTA® is a nourishing & skin-soothing active oil with a standardised level of CBD.

**HEMP NECTA® | PRODUCT OVERVIEW**





# Hemp NECTA®

A NOURISHING & SKIN-SOOTHING ACTIVE OIL MADE FROM 300,000\* UPCYCLED HEMP SEEDS

Hemp seed oil from Cannabis sativa L. is a very rich natural source of essential nutrients, known to deliver multiple benefits to the skin. Made from upcycled hemp seeds that would otherwise go to waste, Hemp NECTA® is a unique hemp seed oil with a standardised level of CBD. It is naturally loaded with various other cannabinoids, essential fatty acids, flavonoids, terpenoids and phenolics which help to play a role in the nourishing and strengthening of the skin barrier. It is particularly rich in linoleic acid.

Ideal for sensitive and reactive skin, Hemp NECTA® has been proven to rapidly reduce erythema in as little as 30 minutes and continues to soothe skin and reduce redness over time.

\*Approx. figure based on 1kg oil.

## BENEFITS

- Standardised level of natural CBD content
- Made from a hemp variety selected due to having the highest CBD content in the seeds
- Proven to rapidly reduce redness (after just 30 minutes) & continues to soothe skin over time
- Rich in linoleic acid and other skin-essential fatty acids
- Great for skin, hair & body care applications
- Sustainably sourced and produced

## A NEW APPROACH

The hemp seeds used to make Hemp NECTA® are a waste product of the food industry. Instead of these nutrient-rich seeds going to waste, we upcycle them; resulting in a high quality, natural and sustainable hemp seed oil without compromise.

**No new materials created. No existing resources wasted.**



**INCI Name:** Cannabis Sativa Seed Oil, Cannabidiol\*

**Plant Part:** Seed

**Country of Origin:** UK

**Method of Extraction:** Cold pressing

**Appearance:** Clear, light green mobile liquid

**Suggested Use Level:** 1 - 3%

**Suggested Application:** Skincare, body care

**Natural:** Conforms with ISO 16128

**BDIH:** Certifiable

**Soil Association:** Certifiable

**Ecocert:** Certification pending

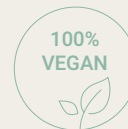
**Preservatives:** None

**Solvents Used:** None

**Water/Glycerine/MPG:** Non-soluble

**Ethanol:** Miscible

\*Optional addition to INCI name.



# HEMP NECTA® *upcycling* PROCESS



Finola is grown for its seeds and fibres for use in food and fabrics. The seeds are harvested by hand



PRODUCT 1

The seeds are then pressed into oil for resale to the food industry



Unfortunately, a large proportion of these seeds are rejected as they are out of spec for food use



PRODUCT 3

Oil is extracted from the seeds via cold pressing  
**300,000 upcycled seeds =  
1kg Hemp NECTA®**

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## Standardised level of *Cannabidiol*

Hemp NECTA® contains a standardised level of natural CBD content.

Cannabinoids have been shown to have a potential role in treatments for several inflammatory conditions, including potential to act as a therapeutic agent for the treatment of acne vulgaris.

Hemp NECTA® contains:

**> 50ppm**

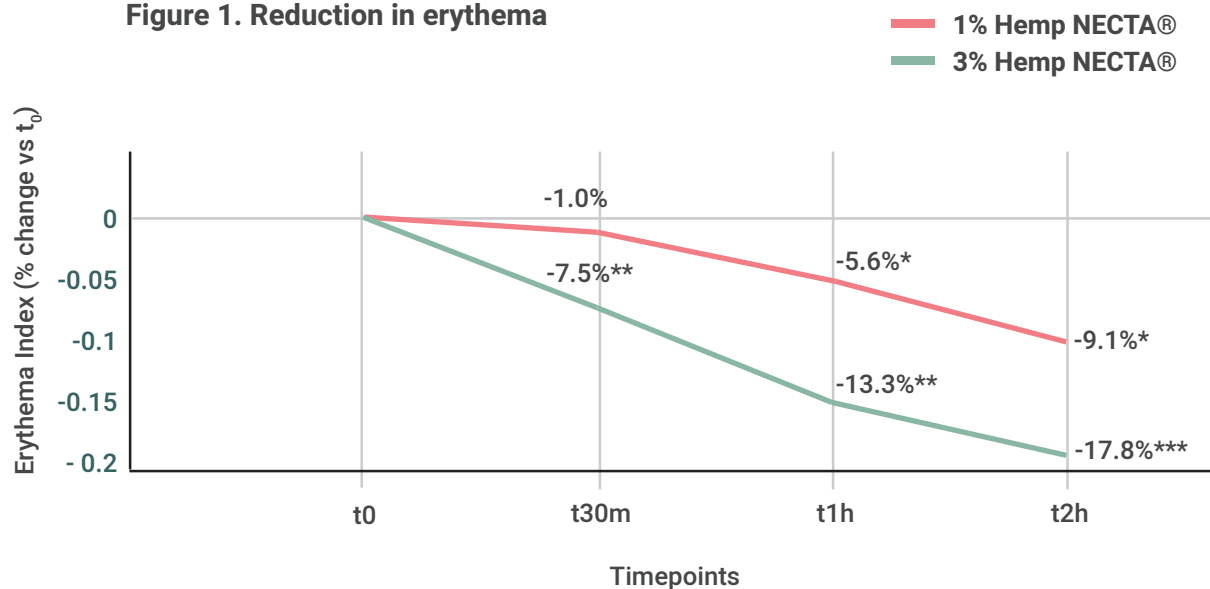
**of cannabidiol (CBD)**

# Soothing STUDY

An in vivo study was conducted to determine Hemp NECTA®'s role in reducing skin erythema. A solution containing 2% SLS (sodium lauryl sulfate) was applied to the skin in order to induce irritation, before being treated with Hemp NECTA® (tested at 1% and 3%). The soothing activity of Hemp NECTA® was evaluated after 30 minutes, 1hr and 2hrs using a Mexameter®. Figure 1 reveals a **rapid reduction in erythema after just 30 minutes** (3% Hemp NECTA®). There was also a **17.8% reduction** in erythema after 2 hours, proving that it **continues to soothe skin and reduce redness over time vs. the placebo**.

*Soothes Redness*  
**TWICE AS FAST AT 1%  
(OR 4X FASTER AT 3%)<sup>†</sup>**

Figure 1. Reduction in erythema



\* p<0.05/ \*\*p<0.01/ \*\*\* p<0.001

<sup>†</sup>vs. placebo

# ULTRA-HIGH SOURCE OF *Linoleic Acid*

Hemp NECTA® helps play a role in the nourishing and strengthening of the skin barrier, thanks to its high linoleic acid content - the most prevalent fatty acid in Hemp NECTA®.

Linoleic acid can also significantly benefit acne-prone skin and help to balance the skin's natural

sebum consistency; studies show that acne patients in particular have low levels of linoleic acid in their skin surface lipids.

Oils high in linoleic acid also work to nourish and protect the skin without being too heavy.

## ACTIVE COMPOUNDS WORKING IN *Synergy*

In addition to cannabidiol (CBD), Hemp NECTA® contains other skin-enhancing cannabinoids which contribute to the overall beneficial effects of the oil.

Hemp NECTA® also contains high levels of essential fatty acids, in addition to flavonoids, terpenoids and other phenolics.

All of these compounds work in synergy to provide essential nourishment.

Studies show that cannabidiol (CBD), stearidonic acid and palmitoleic acid (in particular) offer numerous anti-inflammatory benefits.

## *Antioxidant* DATA

### ORAC TEST

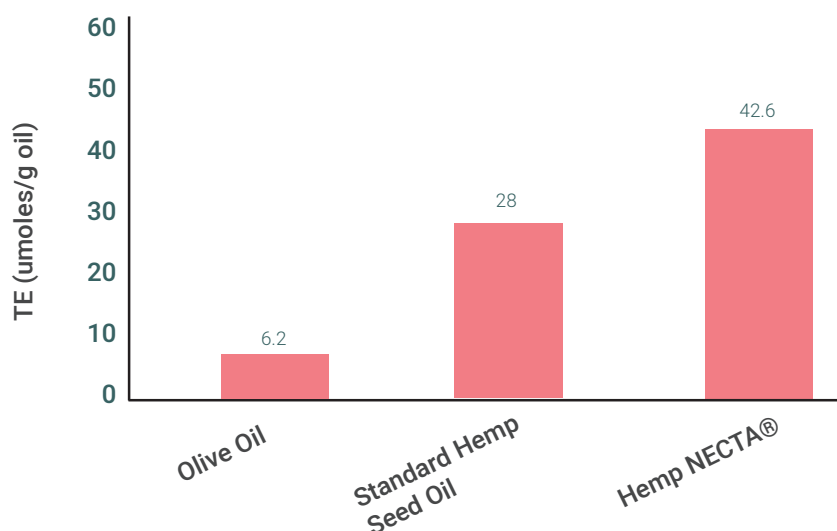
Hemp NECTA® was tested using the ORAC method in order to measure antioxidant capacities in biological samples *in vitro*.

### RESULTS

Hemp NECTA® had the highest ORAC value of 42.6  $\mu\text{molTE/g oil}$  - **52% higher than standard hemp seed oil.**

**Figure 1. ORAC values of cold-pressed oils**

TE stands for the trolox equivalents.



Sources: Results based on a name brand olive oil with the highest ORAC value. Data for standard hemp seed oil from Radical Scavenging Properties of Cold-Pressed Edible Seed Oils, John W. Parry, Kequan Zhou, Liangli (Lucy) Yu, 2005. Hemp NECTA® data from ORAC study.





*Full Circle*

## ABOUT FULL CIRCLE

Full circle is a portfolio of upcycled cosmetic ingredients made from plant-based leftovers too good to waste.

THE FULL CIRCLE RANGE  
OF INGREDIENTS  
IS PART OF



The Upcycled Beauty Company empowers cosmetic & personal care brands to reduce and reuse waste by growing the upcycled beauty movement.

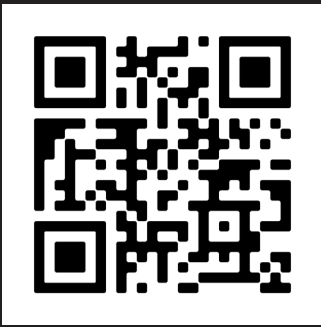
**Our vision is that one day, every beauty & personal care product will be made from upcycled materials - from ingredients to packaging.**

Find out more:  
[upcycledbeauty.com](http://upcycledbeauty.com)

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**BE INSPIRED:** From Brand Spotlights to zero waste packaging inspiration  
**BE EMPOWERED:** Access the latest upcycled ingredients (not just Full Circle!)