

The background is a solid light green color. Several large, detailed images of hemp leaves are scattered across the page. One large leaf is centered at the bottom, with its stem pointing upwards. Other leaves are positioned in the top left, top right, and middle right areas, all showing the characteristic serrated edges and vein structure of hemp leaves.

Hemp NECTA®

NOURISHING | ANTIOXIDANT

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

HEMP NECTA® | PRODUCT OVERVIEW



Hemp NECTA®

A NOURISHING LINOLEIC-RICH 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. Hemp NECTA® is also a rich source of linoleic acid and therefore helps play a role in the nourishing and strengthening of the skin barrier. This nourishing active oil can be used within various skincare and body care applications. It is particularly ideal for formulations designed for dry and sensitive skin, thanks to the synergistic work of various cannabinoids, essential fatty acids, flavonoids, terpenoids and other phenolics present in Hemp NECTA®.

*Approx. figure based on 1kg oil.

BENEFITS

- Standardised level of natural CBD content
- Made from a hemp variety which has been selected due to having the highest CBD content in the seeds
- Rich in linoleic acid and other skin-essential fatty acids
- Can be used in a wide variety of skincare & body care applications
- Ideal for dry, sensitive skin
- 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®**

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)

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

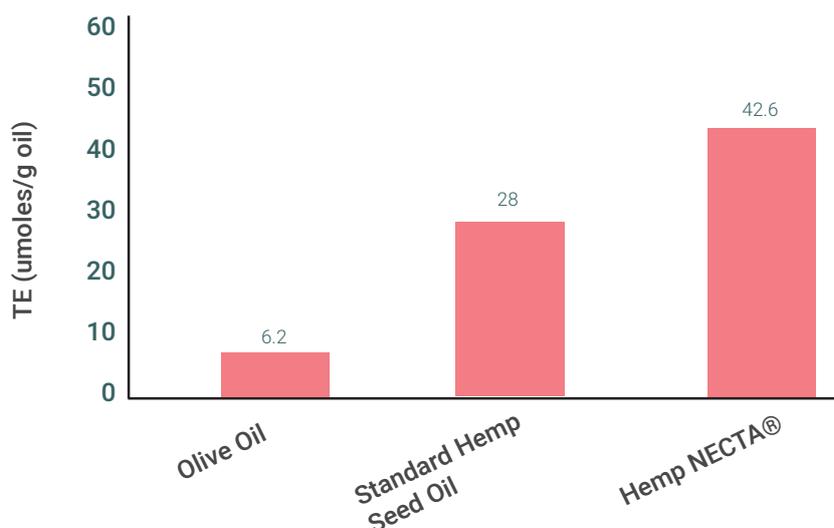
Hemp NECTA® was tested using the ORAC method in order to measure antioxidant capacities in biological samples *in vitro*.

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

UPCYCLED BEAUTY

ABOUT FULL CIRCLE

We develop natural and sustainable personal care ingredients that are made entirely from nutrient-rich plant-based materials that would otherwise go to waste.

Our portfolio offers forward-thinking brands & formulators a unique opportunity to create innovative beauty products that make excellent use of the precious resources around us - without compromising on quality or efficacy.