



dentissimo[®]

PREMIUM ORAL CARE

CBD

TOOTHPASTE-GEL
SPECIAL EDITION



WITH CANNABIS SATIVA SEED OIL

CBD TOOTHPASTE-GEL

WITH CANNABIS SATIVA SEED OIL



CANNABIS SATIVA SEED OIL



CANNABIDIOL



XYLITOL

DENTISSIMO® CBD toothpaste-gel is enriched with special ingredients – **Cannabis Sativa Seed Oil** and **Cannabidiol** – that help to counteract bacterial growth and are strong natural sanitizing agents. Cannabis is well-known for its use in overcoming stress, slight anxiety, and depression. Combination of Hydrated **Silica** and **Xylitol** gently cleans tooth enamel. **Calcium Glycerophosphate** contributes to tooth enamel remineralization and strengthening, thanks to Calcium and Phosphate ion action. **Vitamin B5** can help to maintain the health of the oral cavity, supplying vitamins. **Extracts of Salvia** and **Chamomilla** have a soothing effect on gums and complement the toothpaste-gel with a natural aroma. Geranium can aid in maintaining gums healthy and has a sanitizing action.

DENTISSIMO® CBD toothpaste-gel with **Cannabis Sativa Seed Oil** means healthy teeth and gums, beautiful smile and an excellent feeling of fresh breath.

- CALCIUM GLYCEROPHOSPHATE
- GERANIUM MACULATUM
- VITAMIN B5
- SALVIA
- CHAMOMILLA

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- MAKES ANTI-INFLAMMATORY AND ANTIBACTERIAL EFFECTS
- PROVIDES TOOTH ENAMEL REMINERALIZATION
- STRENGTHENS TOOTH ENAMEL
- NOURISHES GINGIVAL TISSUE
- SUPPORT HEALTHY GUMS
- REMOVES PLAQUE
- PROTECTS AGAINST CARIES
- MAINTAINS HEALTHY MICROFLORA OF THE ORAL CAVITY
- PREVENTS GUM DISCOMFORT



dentissimo®
PREMIUM ORAL CARE



FLUORIDE FREE

 INNOVATIVE
DENTAL
FORMULA

DEVELOPED
BY DENTISTS

ACTIVE INGREDIENTS OF THE TOOTHPASTE-GEL

CANNABIS SATIVA SEED OIL

is an anti-inflammatory, anti-bacterial, and anti-fungal agent
prevents the variables that can cause cavities and tooth decay

CALCIUM GLYCEROPHOSPHATE

calcium ions, released during brushing, help to strengthen tooth enamel
provides tooth enamel remineralisation
restores tooth enamel at the initial stage of caries

GERANIUM MACULATUM

stimulates cell regeneration
ensures astringent, hemostatic effect
helps to prevent inflammatory process of the gums

SALVIA

strengthens gums
nourishes gum tissues
helps to natural teeth whitening

CHAMOMILLA

contains various beneficial ingredients such as antioxidants and moisturizing oils
provides soothing anti-irritant and anti-inflammatory properties
nourishes gum tissues



CANNABIDIOL (CBD)

DIFFERENCE BETWEEN CBD AND THC

CBD, or cannabidiol, is a non-intoxicating natural extract found in both cannabis and hemp. It's one of 104 chemical compounds known as cannabinoids that are contained in herbaceous plants of the Cannabis genus.

Cannabidiol (CBD), in contrast Tetrahydrocannabinol (THC), does not have psychoactive properties:

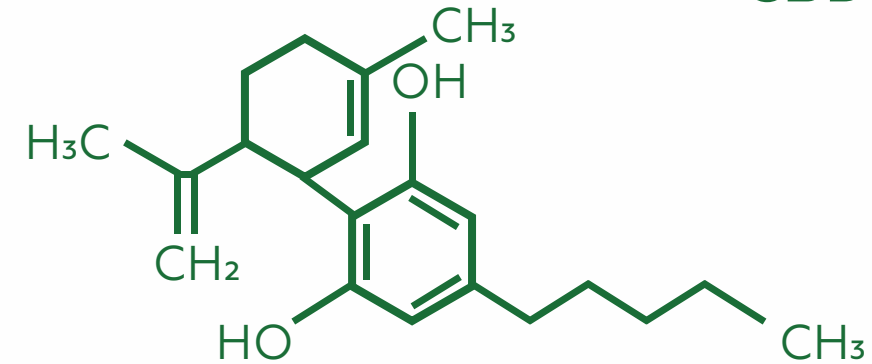
- it does not influence perception or attention
- it does not cause a change of consciousness

Listed above are the main distinctions between Cannabidiol and Tetrahydrocannabinol (THC), traditionally associated with getting high. Yet, each of these compounds offers diverse therapeutic effects which can be utilized in medicine. CBD shows strong anti-inflammatory properties, can stop bacteria growth in the oral cavity, reduce pain and lower sensitivity with no side effects. Cannabidiol is legal to use in cosmetic products upon condition that accompanying THC will not exceed 0.3%.

Dentissimo CBD toothpaste-gel with **Cannabis Sativa Seed Oil** does not contain THC.



CBD



CANNABIDIOL (CBD)

BENEFITS FOR THE BRAIN AND BODY

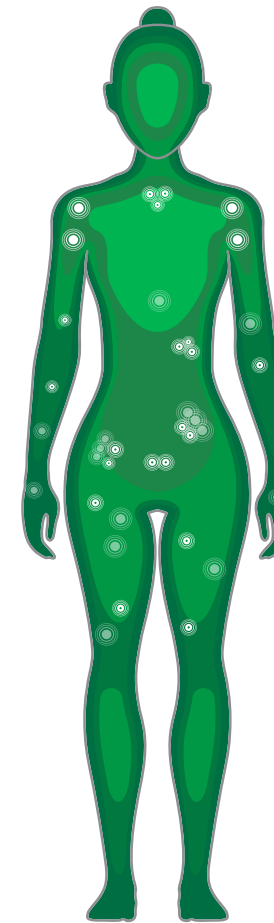
Each of us has a set of receptors able to interact with cannabis compounds called cannabinoids, like **CBD**. These receptors, found throughout the body, comprise the endocannabinoid system (ECS), a complex signalling system that ensures our bodies maintain homeostasis.

Put another way, the **endocannabinoid system** keeps us in balance by controlling the main parameters of biochemical processes and thereby influencing blood pressure, immune responses, appetite, metabolism, body temperature, etc.

Cannabinoids such as **CBD**, interact with this biological system, mimicking the action of natural compounds (called endocannabinoids) produced by the human body. Thus, **CBD** influences cannabinoid receptor activity, encourages the production of the body's natural endocannabinoids and has a corrective positive health effect.

Interestingly, **CBD** also affects biochemical activity beyond the endocannabinoid system and can interact with opioid, dopamine, and serotonin receptors. The ability of **CBD** to influence so many different systems throughout the body suggests it has the potential to open new frontiers for use in medicine and body care products.

ENDOCANNABINOID SYSTEM



STRESS RESPONSE

INFLAMMATION

MEMORY

MOOD

ENERGY BALANCE

IMMUNE FUNCTION

APPETITE

& MORE

CANNABIS SATIVA SEED OIL

SIMILARITY AND DIFFERENCE WITH CBD

Cannabis Sativa Seed Oil (also labeled as Hemp oil or Hempseed oil) is made by cold-pressing the ripened seeds of industrial hemp plants, which doesn't involve chemicals and preserves the nutrient content of the seed. Hemp oil has long been recognised for its use in cooking (as in hempseed milk and granola) and as a cosmetic ingredient for body lotions. However, only recently it has made its way into oral care products.

When **CBD** oil and **Hempseed** oil are put side by side, a lot of confusion may happen. Although derived from the same plant species, Hempseed oil is different from Cannabidiol oil: CBD utilizes hemp flowers and leaves for its production while Cannabis Sativa seed oil is extracted only from the seeds. Hemp seeds also do not have naturally-occurring CBD or THC.

Cannabis Sativa Seed Oil can help to neutralize inflammation, retain moisture and inhibit the activity of various types of decay-causing bacteria in the oral cavity. CBD and Hemp oil are safe to use in regulated concentrations and, in combination, they can enhance beneficial qualities of the product.



STUDY ON EFFICACY OF CANNABINOIDS

INFLUENCE ON THE ORAL CAVITY HEALTH

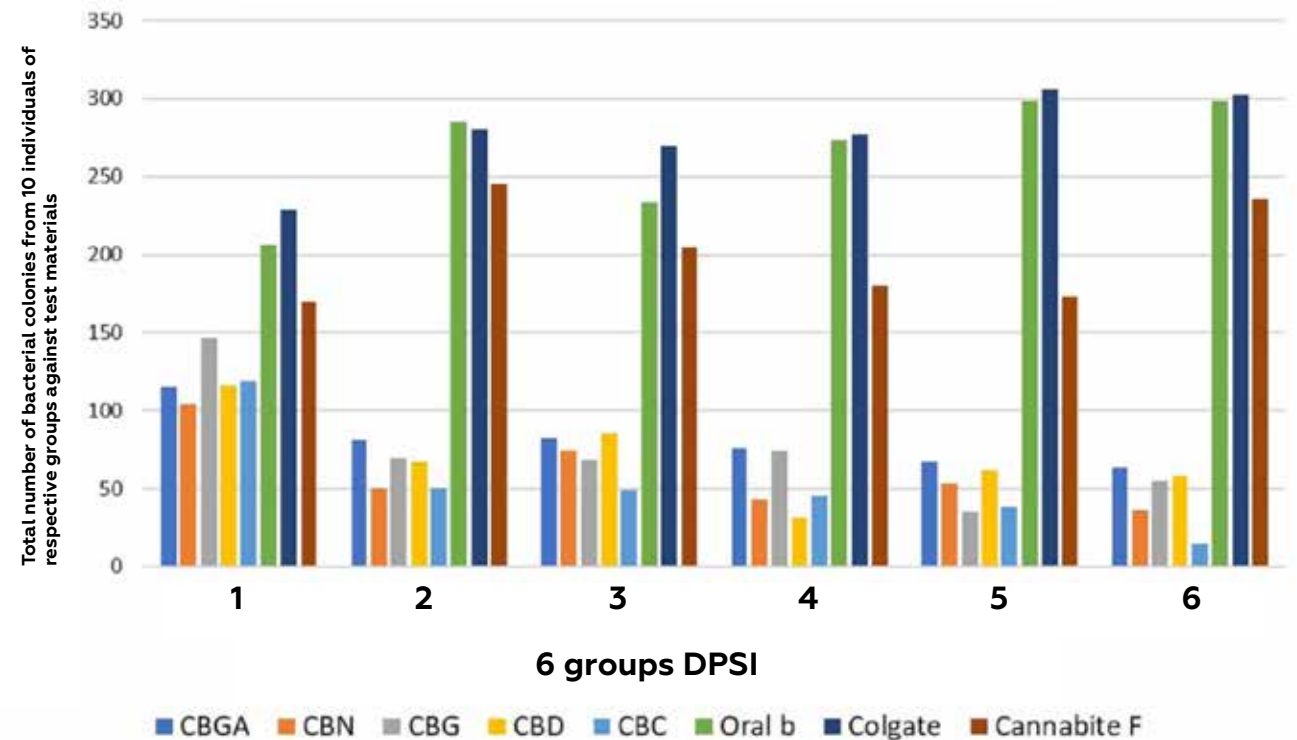
In January 2020, the Open Access medical journal Cureus* published an observatory study that compared the efficacy of oral care products and cannabinoids in reducing the bacterial content of dental plaques. Sixty adults aged 18 to 45 years, divided into six groups with 10 candidates each, were participating in the research helping to isolate dental bacteria. These samples were collected, spread on Petri dishes and infused with eight active agents. Five **cannabinoids** present in Cannabis and known for their antibacterial properties were tested alongside the well-established synthetic oral care products, such as Oral B and Colgate, and Cannabite F (a toothpaste formulation of pomegranate and algae).

It was found that **cannabinoids** were more effective in reducing the bacterial colony count in dental plaques and have the potential to be used as an **effective antibacterial agent** in toothpaste. In the Figure, there is a comparison of results in six research groups with respect to bacterial colony count. Five used cannabinoids are cannabigerol acid (CBGA), cannabiol (CBN), cannabigerol (CBG), **cannabidiol (CBD)** and cannabichromene (CBC).

Researchers concluded that: 1) the efficiency of cannabinoids could vary from individual to individual plausibly owing to the microbial diversity of oral biofilms, 2) more detailed analysis on the effect of cannabinoids on oral microflora is needed, and 3) the study opens up the possibilities of developing personalized next-generation **oral care products based on cannabinoids**.

Learn more about the study in "Cureus" Journal

Effects of cannabinoids on six test groups



* Stahl V, Vasudevan K (January 29, 2020) Comparison of Efficacy of Cannabinoids versus Commercial Oral Care Products in Reducing Bacterial Content from Dental Plaque: A Preliminary Observation. Cureus 12(1): e6809. DOI 10.7759/cureus.6809

Thank you for your attention!

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Medpack Swiss Group AG, Switzerland
info@dentissimo.dental
www.dentissimo.dental

GLOBAL SWISS GROUP AG
Black office, Unterlettenstrasse 14, 9443 Widnau
tel.: +41 71 855 07 55
info@global-swiss.ch
global-swiss.ch