GARY GETTELFINGER MD

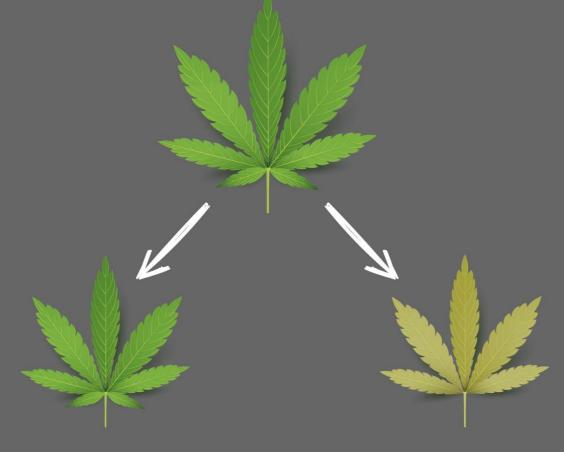
HEMP-CBD OIL: POTENTIAL HEALTH BENEFITS

WHAT IS CBD OIL?

CANNABIS VS HEMP VS

MARIJUANA Cannabis

is a plant family that includes many species, including both hemp and marijuana.

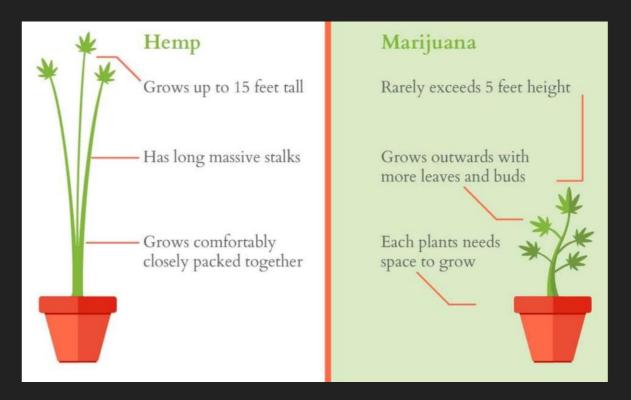


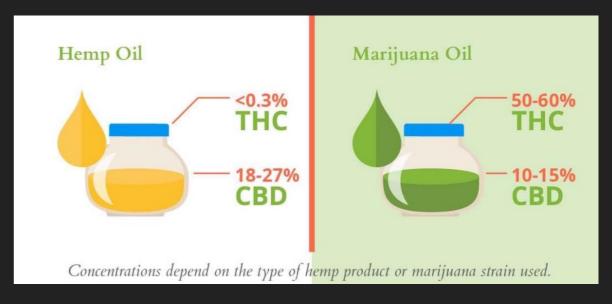
Hemp

is a variety of cannabis grow for its tall, sturdy stalks and low levels of THC.

Marijuana

is a variety of cannabis grown for its high levels of THC.





CANNABIS HISTORY - PLANT

- ONE OF THE EARLIEST KNOWN CULTIVATED PLANTS
- USED AND FARMED FOR AT LEAST 12,000 YEARS
- USED MEDICINALLY FOR AT LEAST 6000 YEARS



CANNABIS HISTORY - MEDICATION

- ELI LILLY, PFIZER, PARKE DAVIS AND OTHERS HAD MEDICAL CANNABIS PRODUCTS
- ► IT WAS THE 3RD MOST PRESCRIBED MEDICINAL AGENT FOR 60 YEARS PRIOR TO ITS PROHIBITION IN 1937.



One-Fourth Ounce Solid Extract CANNABIS AMERICANA

(Cannabis sativa—American grown)
PHYSIOLOGICALLY TESTED

DOSE—1-5 to 1 grain

ELI LILLY & CO.
INDIANAPOLIS
U. S. A.

CANNADIC AMEDICANA

PHYSIOLOGICALLY TESTED

(Cannabis sativa-American Grown)

Analgesic. Hypnotic. Antispasmodic and powerful Narcotic

DOSE-1-5 to 1 grain

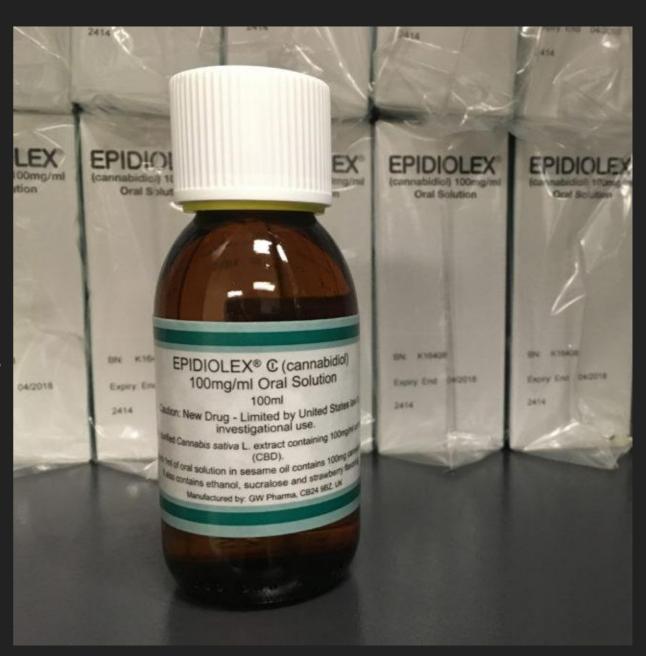
OCT 11 1918 Lice,

ELI LILLY & CO., INDIANAPOLIS U. S. A.

Guaranteed by Eli Lilly & Co., under Food and Drugs Act, June 30, 1906. Guaranty No. 87.

CANNABIS - TODAY

- ► EPIDIOLEX: APPROVED BY FDA IN JUNE 2018
- HIGH CBD:LOW THC FORMULATION OF CANNABIS DERIVED FROM MARIJUANA
- ESTIMATED TO COST \$2500-5000 PER MONTH



CANNABIS (AS HEMP-CBD): IS IT SAFE?

- ► WORLD HEALTH ORGANIZATION (WHO):
 - NO abuse or dependence potential
 - NO evidence of risk with PURE CBD



- WORLD ANTI-DOPING AGENCY (WADA):
 - NOT a banned substance for athletes

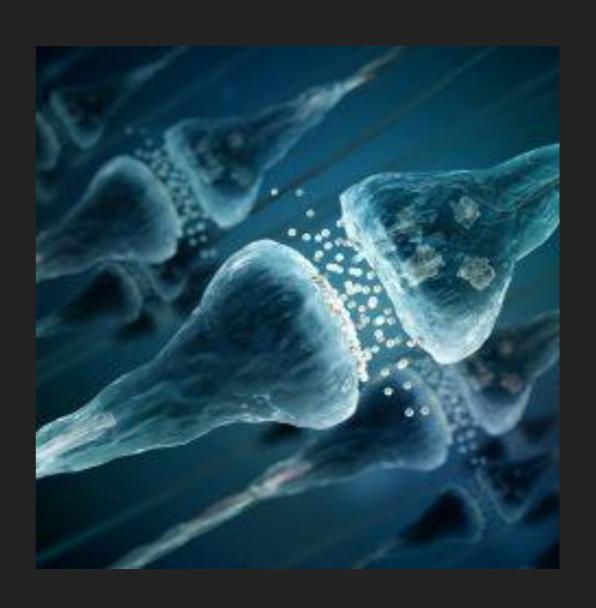


WHY DOES IT WORK?

ENDOCANNABINOIDS: OUR BODIES MAKE THEM

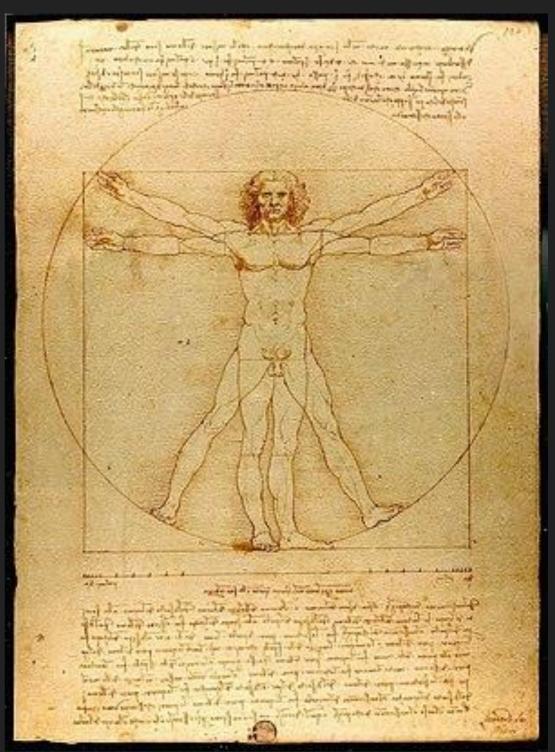
The ENDOcannabinoid system (ECS) is the body's primary tool of homeostasis

- Two primary ENDOcannabinoids
 - ► 2-AG
 - Anandamide



HOMEOSTASIS: REGULATES AND BALANCES

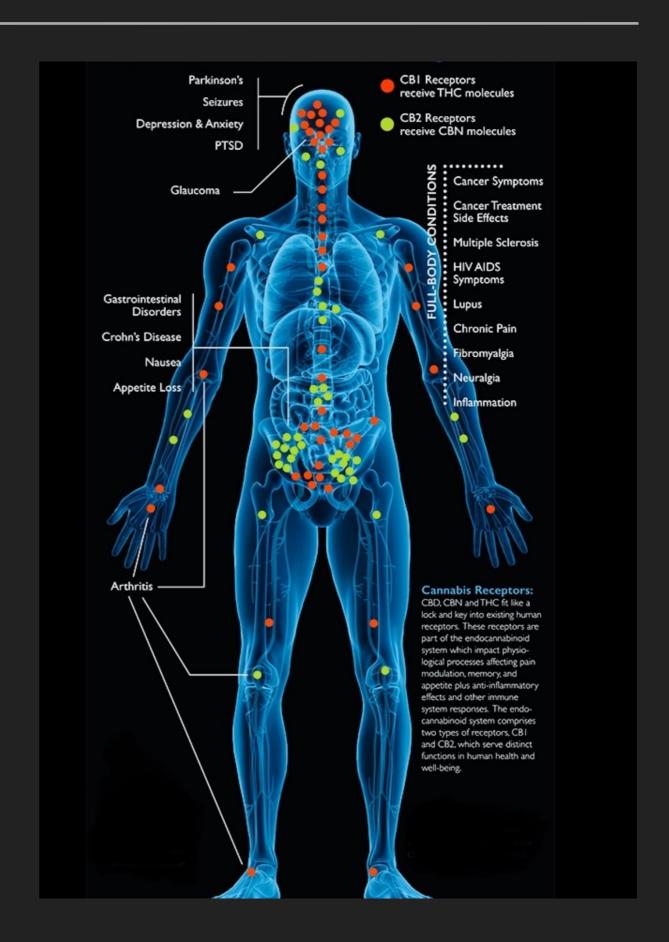
- Nerve function
- Movement
- Immune system
- Energy
- Circulatory system
- Bone



ENDOCANNABINOID DEFICIENCY

Endocannabinoid levels are LOW

CLINICAL ENDOCANNABINOID DEFICIENCY (CECD)



ENDOCANNABINOID DEFICIENCY

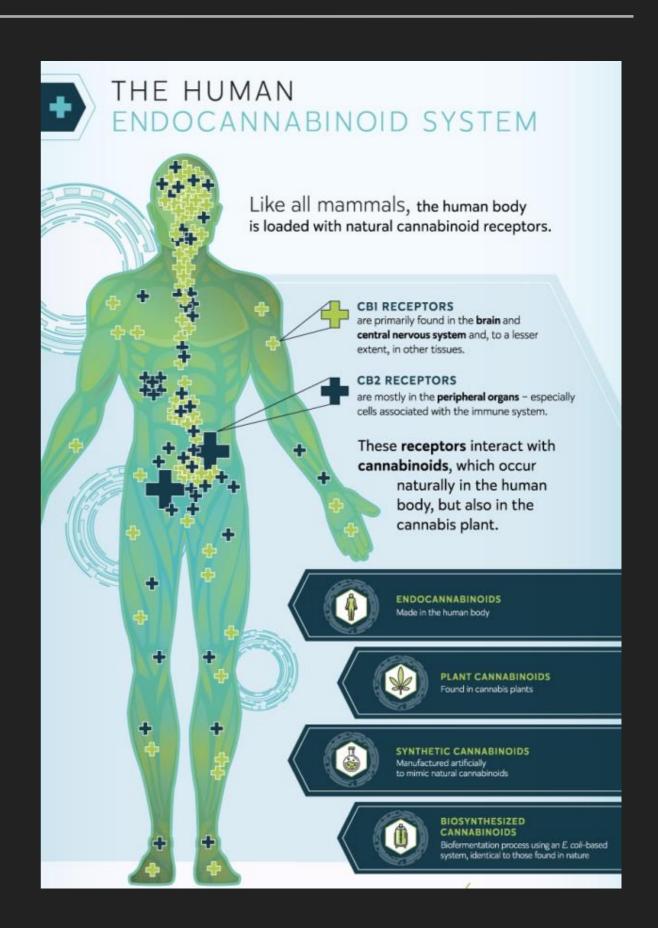
- ► ECD is implicated in many hard-to-treat disease states:
 - Fibromyalgia
 - Chronic migraine
 - Depression and Anxiety
 - Irritable Bowel Syndrome
- https://www.ncbi.nlm.nih.gov/pubmed/288 61491
- https://www.liebertpub.com/doi/full/10.108 9/can.2016.0009



HOW DOES IT WORK?

PHYTOCANNABINOIDS

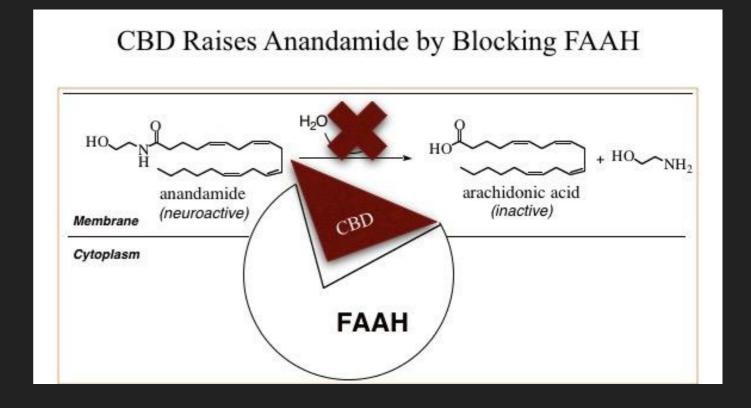
- Found in Cannabis
- PHYTOcannabinoids are botanical substitutes for ENDOcannabinoids
- A NATURAL PLANT VERSION OF WHAT OUR BODIES MAKE



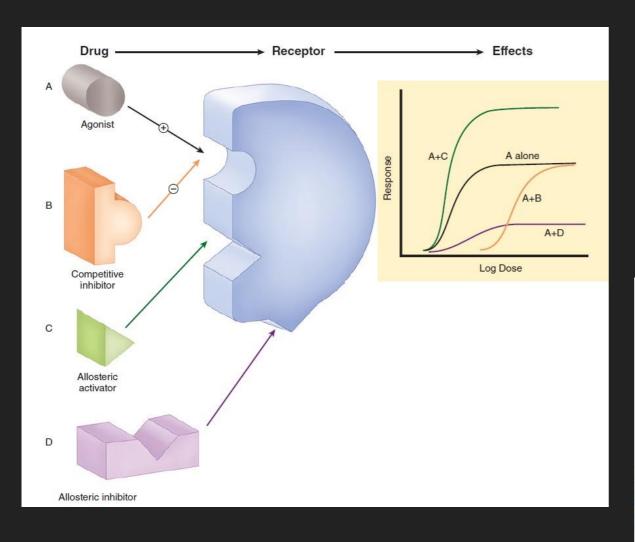
ENZYME BLOCKING

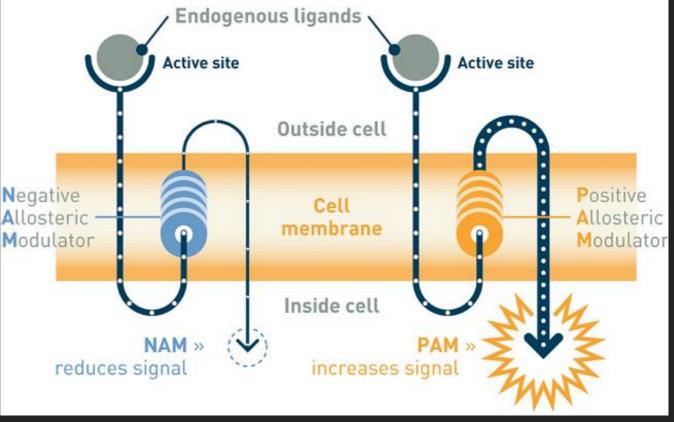
- Blocks the breakdown of Anandamide by FAAH
- This increases the blood levels in the body

FAAH Breaks Down Anandamide HO HO HO HO HO NH2 arachidonic acid (inactive) FAAH 22. Bracey. 29 Nov 2002 Vol 298 SCIENCE. 1793-1796.

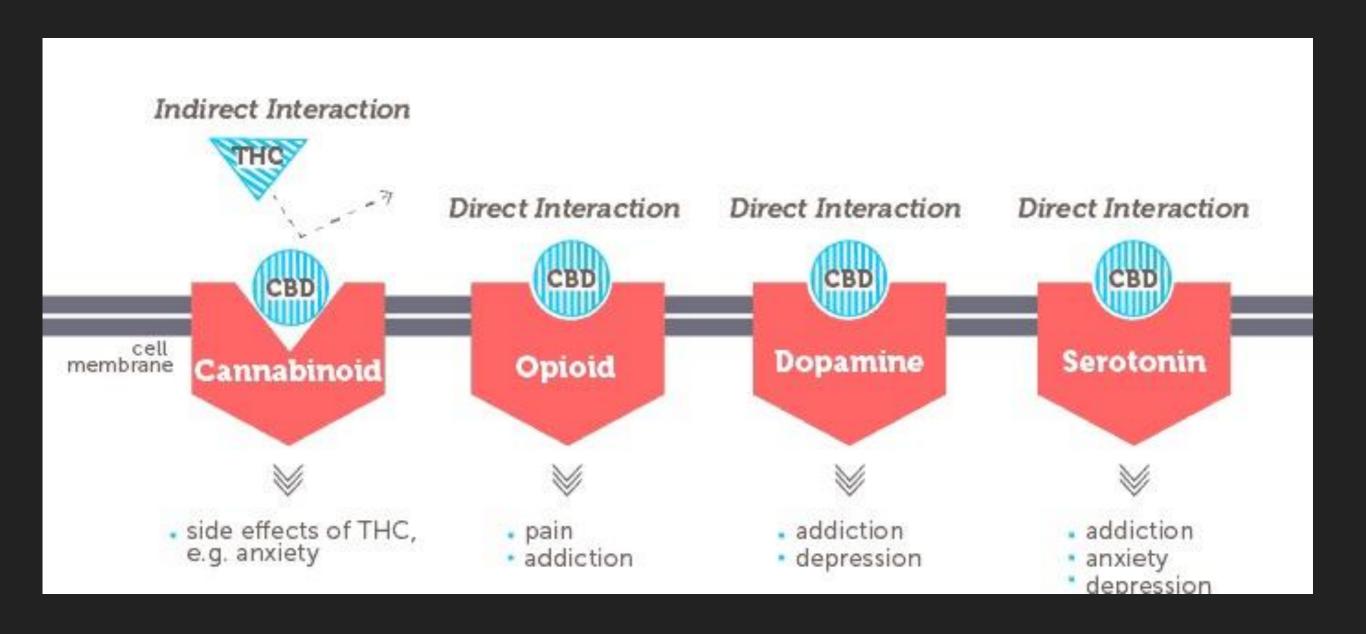


RECEPTOR: POSITIVE ALLOSTERIC MODULATION





RECEPTOR: POSITIVE ALLOSTERIC MODULATION



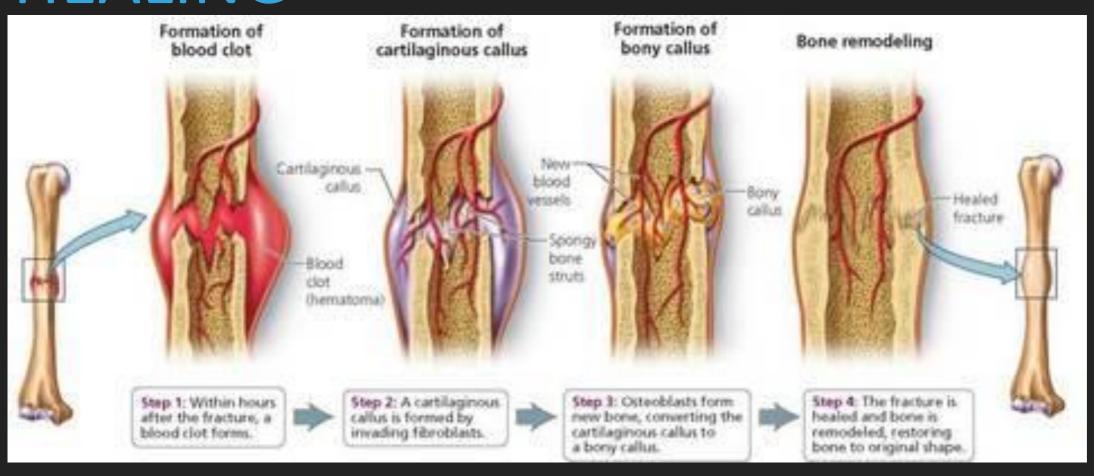
WHAT IS THE EVIDENCE?

HEALTH STUDIES PUBLISHED

- -Analgesic (Costa, et al. 2007)
- -Neuroprotective antioxidant (greater than ascorbate or tocopherol) (Hampson, et al., 1998)
- -Anticonvulsant (Carlini & Cunha, 1981)
- -Anti-emetic (Parker, et al., 2002)
- -Cytotoxic to breast CA cells (Ligresti, 2006)
- -Antagonizes TNFa in RA (Malfait, 2000)
- -Agonizes 5HT_{1A}, reducing anxiety (Russo, 2005)
- -Anti-depressant action via 5HT_{IA} (Zenalati, et al., 2010)
- -Induces apoptosis and reduces angiogenesis in tumors. (Chakravati, et al. 2014)

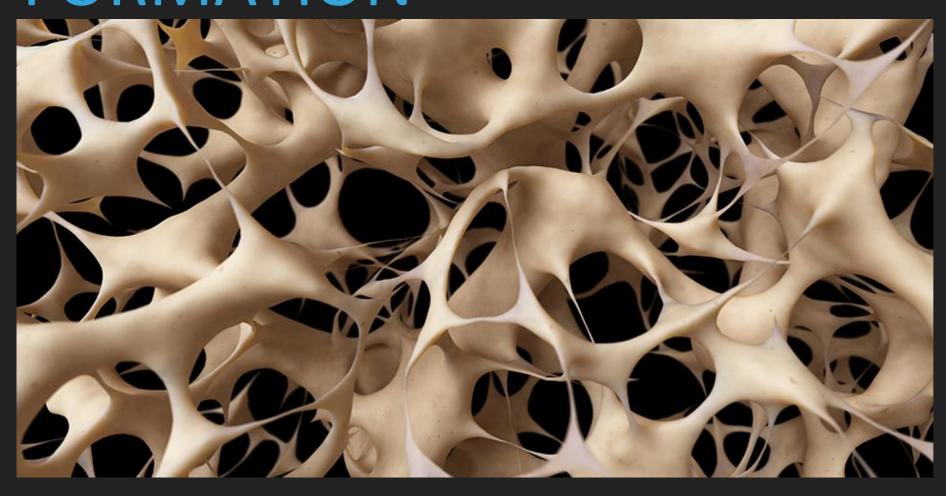
- -Antibacterial. Effective against MRSA (MIC = 0.5-2 microM⁻¹) (Appendino, et al., 2008)
- -Non-opioid responsive cancer pain improvement (Johnson, et al., 2010)
- -Reduced development of diabetes (PPAR gamma activity) (Weiss et al., 2006)
- -Reduces blood pressure (Jadoon, et al., 2017)
- -Cardioprotective. Reduced arrhythmias and infarct size after MI. (Walsh, et al., 2010)
- Reduces inflammation in UC (Filippis, 2011)
- -Improved function in Alzheimer's Disease (Watt, 2017)
- -Reduces substance abuse behaviors (Prud'homme, et al., 2015)

HEALTH STUDIES PUBLISHED: BONE HEALING



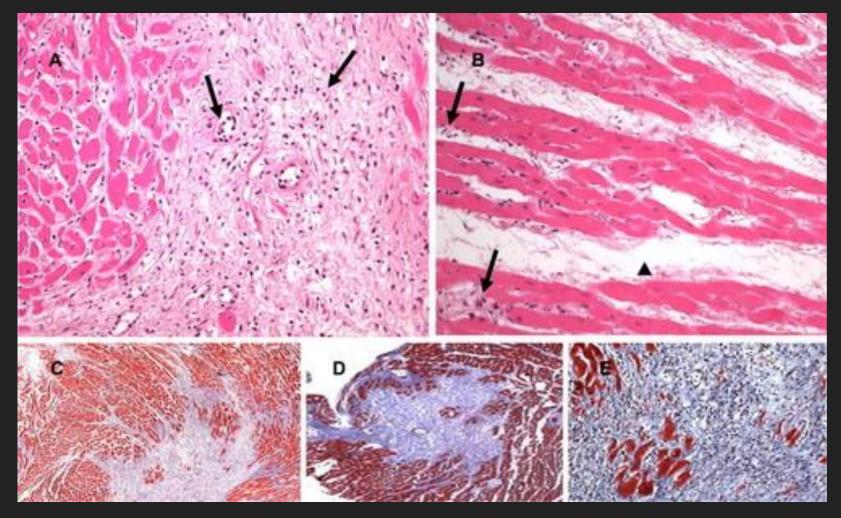
- Journal of Bone and Mineral Research, Vol 30, Issue 10
- Cannabidiol, a Major Non-Psychotropic Cannabis Constituent Enhances Fracture Healing and Stimulates Lysyl Hydroxylase Activity in Osteoblasts

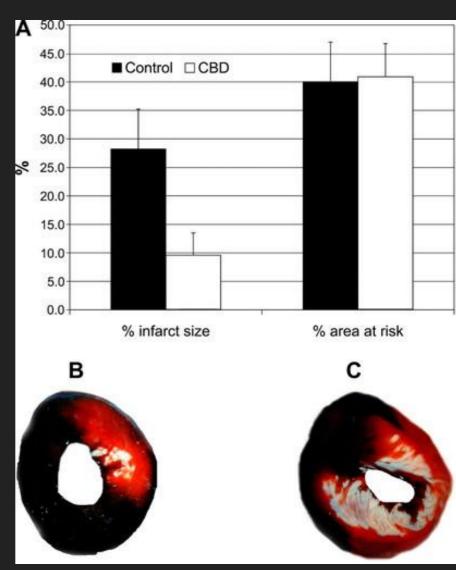
HEALTH STUDIES PUBLISHED: BONE FORMATION



- Ann Med. 2009;41(8):560-7. doi:10.1080/07853890903121025.
- Cannabinoids and the skeleton: from marijuana to reversal of bone loss

HEALTH STUDIES PUBLISHED: CARDIOPROTECTIVE





- Am J Physio Heart Circ Physiol. 2007 Dec;293(6):H3602-7. Epub 2007 Sep 21.
- Cannabidiol, a nonpsychoactive Cannabis constituent, protects against myocardial ischemic reperfusion injury.

WHAT DOES THIS MEAN?

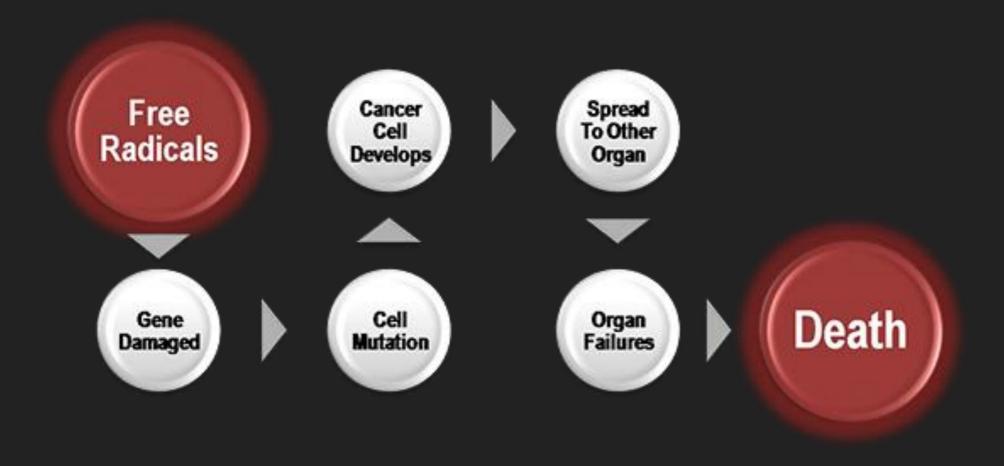
POSSIBLE BENEFITS

- Pain
- Inflammation
- Sleep
- Stress
- Nervousness
- Irritability

WHAT COULD WE SEE IN THE FUTURE?

POTENTIAL USES FOR FULL-SPECTRUM HEMP OIL:

ANTIOXIDANTS HELP NEUTRALIZE FREE RADICALS WHICH IN TURN DECREASES THE INCIDENCE OF CELLULAR DEGENERATION.



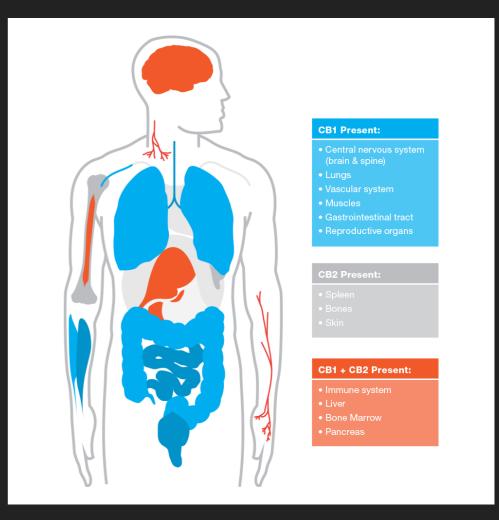
MORE POTENTIAL USES FOR FULL-SPECTRUM HEMP OIL:

- HELPS SUPPORT CARTILAGE AND JOINT FUNCTION
- ► REDUCES MUSCLE PAIN FOLLOWING EXERCISE



MORE POTENTIAL USES FOR FULL-SPECTRUM HEMP OIL:

- PROMOTES HEALTHY:
 - NORMAL CARDIOVASCULAR HEALTH
 - RESPIRATORY FUNCTION
 - BLOOD SUGAR
 - CHOLESTEROL LEVEL

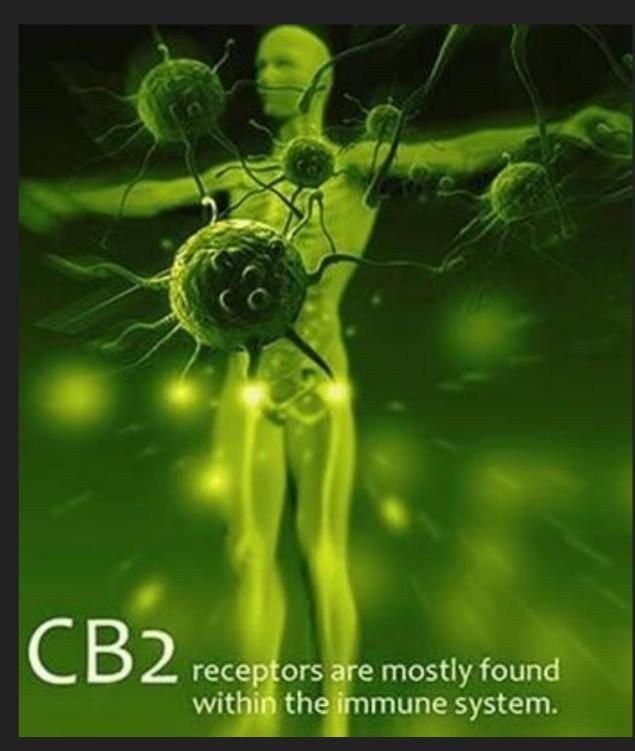


MORE POTENTIAL USES FOR FULL-SPECTRUM

HEMP OIL:

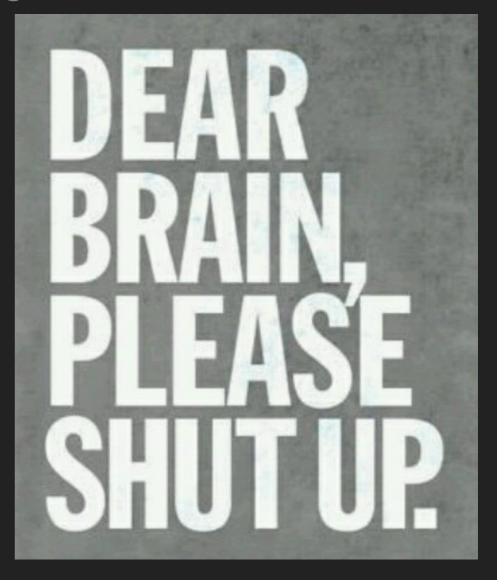
PROMOTES HEALTHY:

► IMMUNE SYSTEM



MORE POTENTIAL USES FOR FULL-SPECTRUM HEMP OIL:

- RELIEF OF OCCASIONAL SLEEPLESSNESS
- ► RELIEF OF STRESS/NERVOUSNESS
- ► NORMAL/STABLE MOOD



FOOD AND DRUG ADMINISTRATION

THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.

SCIENTIFIC ARTICLES PUBLISHED

- http://www.mdpi.com/1422-0067/17/2/230/pdf ENDOCANNABINOIDS AS GUARDIANS OF METASTASIS
- https://www.spandidos-publications.com/10.3892/or.2015.3746
 PROAPOPTOTIC EFFECT OF ENDOCANNABINOIDS IN PROSTATE CANCER
 CELLS
- https://www.ncbi.nlm.nih.gov/pubmed/24373545 INHIBITION OF COLON CARCINOGENESIS BY A STANDARDIZED CANNABIS SATIVA EXTRACT WITH A HIGH CONTENT OF CANNABIDIOL

SCIENTIFIC ARTICLES PUBLISHED

- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2430692/ ACUTE AND CHRONIC PAIN
- https://www.ncbi.nlm.nih.gov/pubmed/11164622 CANNABINOID RECEPTORS AND PAIN
- https://www.ncbi.nlm.nih.gov/pubmed/17119542
 ENDOCANNABINOIDS IN CHRONIC MIGRAINE
- https://www.ncbi.nlm.nih.gov/pubmed/22442371 ANANDAMIDE -RUNNERS HIGH

SCIENTIFIC ARTICLES PUBLISHED

- https://www.medicalnewstoday.com/articles/321501.php HOW CAN CBD HELP WITH FIBROMYALGIA?
- https://www.ncbi.nlm.nih.gov/pubmed/11164622 CANNABINOID RECEPTORS AND PAIN
- https://www.ncbi.nlm.nih.gov/pubmed/24373545 CANNABIDIOL AS A POTENTIAL TREATMENT FOR ANXIETY DISORDERS

TO FIND OUT WHAT RESEARCH HAS BEEN DONE

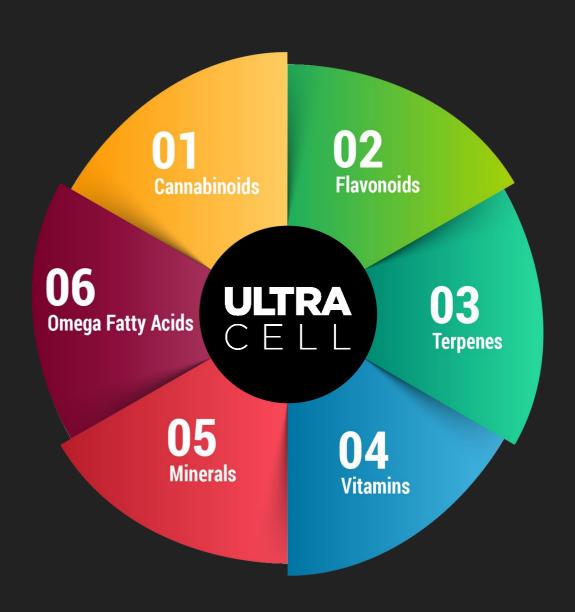
- ► GOOGLE:
 - ► (1) CANNABIS CBD
 - ► (2) HEALTH CONDITION

- REPUTABLE SOURCES:
 - NATIONAL INSTITUTES OF HEALTH (NIH)
 - MEDSCAPE, WEBMD, MAYO CLINIC

WHAT TO LOOK FOR

THE POWER OF FULL SPECTRUM HEMP OIL

- Entourage Effect
- Superfood
- Vitamins
- Minerals



M.A.P.

Milligrams

Absorption

Purity



MILLIGRAMS

► 1 - Milligrams PER SERVING

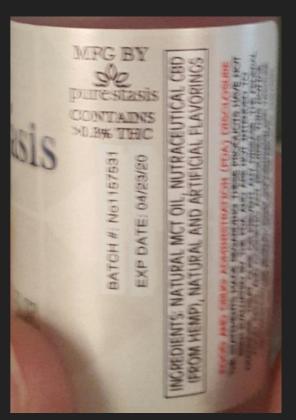
2 - Milligrams PER BOTTLE



MILLIGRAMS

- Milligrams of 'WHAT'?
- Ideally the 'whole plant'.
- NOT just seeds or parts



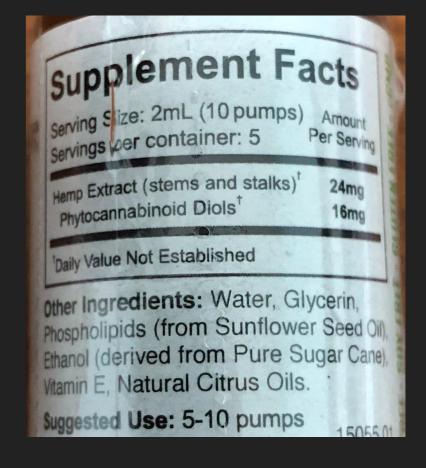


Phytocannabinoid Hemp Oil

*Percent Daily Values are based on 2,000 calorie diet.

**Daily Value not established.

Ingredients: Pressed Hemp (seed) oil, CBD-rich Whole Hemp Extract



ABSORPTION: THE PROBLEM

► HEMP OIL IS...OIL

- ► THE RESULT?
- "Like dissolves like" ONLY 6% ABSORPTION

Oil and Water Don't Mix

Oil layer

-Water

· Oil is nonpolar

· Water is polar

- DELAYED ONSET OF ACTION: 60-90 minute
- ► SHORT DURATION: 3-4 hours

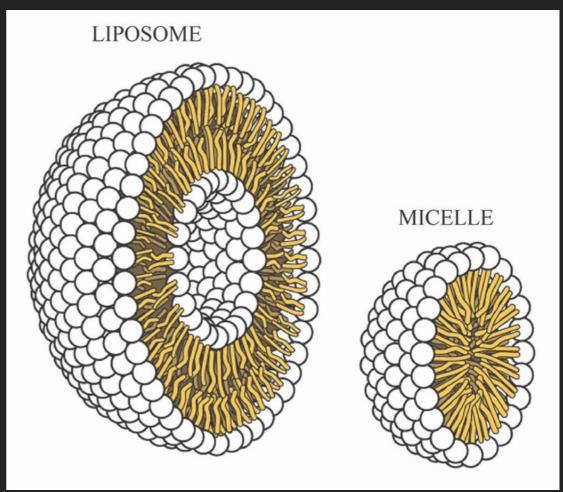
ABSORPTION: THE SOLUTION (MAKE IT WATER-SOLUBLE)

- Micelle Liposome
 - Patent-pending technology

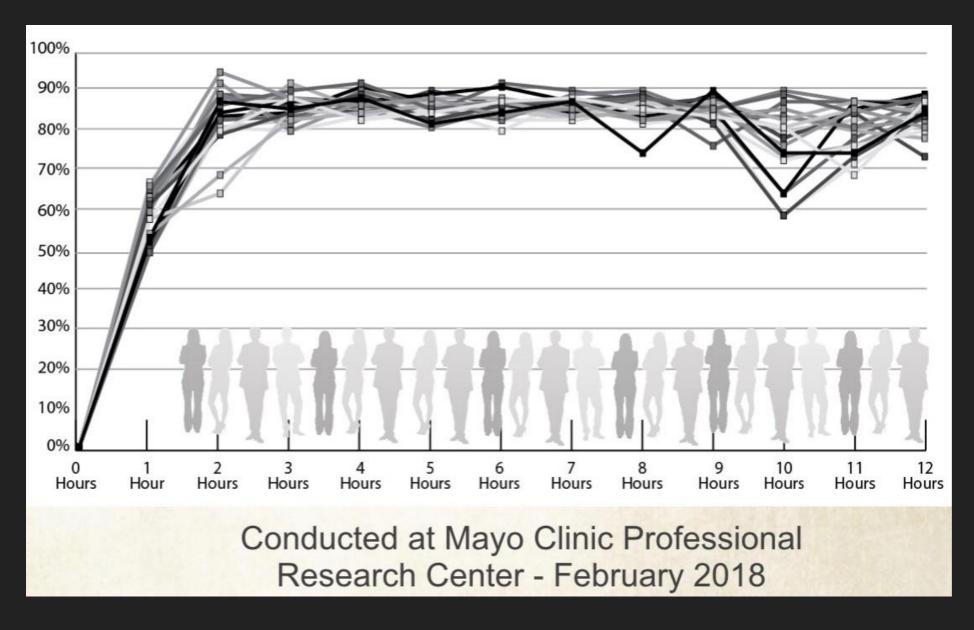
- THE RESULT?
 - **▶** 94%



► LONG DURATION OF ACTION: 12 HOURS



COMBINING WATER-SOLUBLE TECHNOLOGIES: QUICK ONSET AND LONG DURATION OF ACTION



WATER-SOLUBLE HEMP

VS

OIL-BASED HEMP

► LEFT VIAL: WATER-SOLUBLE

► RIGHT VIAL: OIL-BASED



PURITY: USDA CERTIFIED AS ORGANICALLY SOURCED

Is buying organic worth it?



PURITY: USDA CERTIFIED AS ORGANICALLY SOURCED

- Is buying organic worth it?
 - YES

RESEARCH INTO HEMP AS A SOIL DECONTAMINANT

There is extensive research into the ability of hemp to act as a phytoremediator. An Italian study published in *Plant and Soil* in 2003 showed that hemp had the ability to absorb cadmium, chromium and nickel from soil, and that high concentrations of the heavy metals had little effect on plant morphology.

Diet

GUIDES PRODUCTS EVENTS

Home

News GMO Big Pharma

Remedies

Wellness

Garde

Hemp Eats Radiation, Cleans Toxic **Metals From Soil**

🗂 JANUARY 18, 2016 🗅 ENVIRONMENT 🔎 2 COMMENTS



Terre Haute, IN: This Unbelievable, Tiny Company Is Disrupting A \$200 Billion Industry













Listen to Article

By Brandon Turbeville

It appears the uses of hemp are endless. In addition to myriad industrial products such as paper, construction material, clothing, food and fuel, hemp is also known to draw out toxic substances from the soil. In other words, not only does hemp provide humans with innumerable products, it also helps to clean the environment of the mistakes we have made in the past. It has already been discovered that hemp may be extremely useful in the removal of cadmium from the soil and other toxic metals.

Home » How Cannabis Cleans Up Nuclear Radiation And Toxic Soil

How Cannabis Cleans Up Nuclear Radiation And Toxic Soil





LATEST TRENDING



Beat The Heat With The



7 Ways People Used



Researchers in Lebanon lope to Study Medical

nefits of Cannabis



Marijuana Would Be "Harmful" To Families



Europe's largest steel mill is in the city of Taranto in southern Italy. In its heyday, the ILVA steel plant produced more than 10 million tons of steel every year-about 40 percent of all the steel made in Italy-and it currently employs about 12,000 people.

Hemp Removes Toxic Metals & Radiation from Soil

November 9, 2016 | Sarah S.



Hemp continues to break the restricting chains of the government as studies prove to reveal more benefits of industrial Hemp!

Featured Posts



Part 3 February 5, 2018

Recent Posts



Cannabis and Parkinson's

February 13, 2018



All About that Hemp! Part 3



Hemp! Part 2 anuary 27, 2018



All About that Hemp! Part 1

January 17, 2018

PURITY: IT MATTERS

- COUNTRY OF ORIGIN: USA
- USDA CERTIFIED AS ORGANICALLY SOURCED
- TESTED

THE PAY IT FORWARD COMPANY

PRODUCT SPEC/COA BATCH NO. UCLD002-01/02

UltraCell Lemon

Proprietary Full Spectrum Hemp Oil Phytocannabinoid Rich and Water Soluble

ZILIS ULTRACELL HEMP OIL EXTRACT - Lemon 500 mg (30 ml) / 116.7 mg (7 ml)

Product description: Additional Ingredients:

100% Industrial Hemp Extract with "Ultracell" Technology

Purified Water, Glycerin, MCT (from Coconut), Natural Flavors, Prebiotic Polysaccharides (Xantham and Acacia Gum, Natural Lipids (from non-GMO Sunflower), Stevia (from leaf), & Potassium Sorbate.

Manufacture date: Country of Origin: Storage/handling:

Packaging:

12-07-17 USA

Keep in room temperature, protected from light, excessive heat and moisture.

 $\label{lem:Refrigeration} \mbox{Refrigeration recommended for optimal preservation}.$

30 ml blue cobalt glass bottle (UCLD002-01) / 15 ml blue cobalt glass bottle (UCLD002-02)



TESTS: LICL D002-01/02

Appearance:

Light to Medium thickness yellow color. Characteristic taste and smell.

(Testing method: Visual inspection/Organoleptic)

CBD/THC Profile:

CBD 125 mg (-01) / 29.2 (-02)
THC 0 mg/ml (-01 & -02)
(Testing method: HPLC)

Heavy Metals Results: Limits:

 Arsenic (As)
 ND
 1.5 ppm

 Cadmium (Cd)
 ND
 25 ppm

 Mercury (Hg)
 ND
 15 ppm

 Lead (Pb)
 0.053 ppm
 5 ppm

(Testing method: TXRF, in accordance with ISO/IEC 17025)

Microbiological Results:

S. aureus	Neg. in 1 g	Total Coliform	<10 cfu/g
Total Plate Count	< 10 cfu/g	P. Aerugenosa	Neg. in 1 g
E coli / Salmonella	Neg. in 1 g	Total Yeast/mold	<10 cfu/g
Total Enterobacteria	<10 cfu/q		

(Testing method: 3M Petrifilm and plate counts for microbiological contamination)

Pesticide Results:

Abamectin	ND	Acequinocyl	ND	Bifenazate	ND
Azoxystrobin	ND	Bifenthrin	ND	Chlormequat Cl.	ND
Cyfluthrin	ND	Fenoxycarb	ND	Imidacloprid	ND
Daminozide	ND	Etoxazole	ND	Imazalil	ND
Trifloxystrobin	ND	Cyhalothrin	ND	Resmethrin	ND
Permethrin	ND	Carbaryl	ND	Diazinon	ND
Myclobutanil	ND	Paclobutrazol	ND	Pyrethrium	ND
Spinosad	ND	Spiromesifen	ND	Spirotetramat	ND

(Testing method: HPLC-Mass Spectrometry for 19 compounds including pesticides, fungicides, and plant growth regulators)

ND=None Detected

All analytical work has been conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. Online publication of this document, including social media, is strictly prohibited. Reproduction, except in full, without written approval from Zills is strictly prohibited. Statements have not been evaluated by the FDA and are not intended to diagnose, treat or cure any disease. Check with your qualified healthcare provider before using this product, not intended for use by those under 18 years of age.

PURITY: IT MATTERS

- COUNTRY OF ORIGIN: USA
- USDA CERTIFIED AS ORGANICALLY **SOURCED**
- **TESTED**

- ► LAB TESTED/CERTIFICATE OF ANALYSIS FOR:
 - CBD
 - ► THC
 - PESTICIDES HERBICIDES
 - HEAVY METALS
 - PATHOGENS





PRODUCT SPEC/COA BATCH NO. UCBB002-01/02

UltraCell Berry

Proprietary Full Spectrum Hemp Oil Phytocannabinoid Rich and Water Soluble

ZILIS ULTRACELL HEMP OIL EXTRACT – Berry 500 mg (30 ml) / 116.7 mg (7 ml)

Product description: Additional Ingredients: 100% Industrial Hemp Extract with "Ultracell" Technology

Purified Water, Glycerin, MCT (from Coconut), Natural Flavors, Prebiotic Polysaccharides (Xantham and Acacia Gum, Natural Lipids (from non-GMO

Sunflower), Stevia (from leaf), & Potassium Sorbate.

Manufacture date: Country of Origin: Storage/handling:

Keep in room temperature, protected from light, excessive heat and moisture.

Refrigeration recommended for optimal preservation.

30 ml blue cobalt glass bottle (UCBB002-01) / 15 ml blue cobalt glass bottle (UCBB002-02)



TESTS: UCBB002-01/02

Appearance:

Mercury (Hg)

Packaging:

Light to Medium thickness reddish color. Characteristic taste and smell

(Testing method: Visual inspection/Organoleptic)

CBD/THC Profile:

125 mg (-01) / 29.2 (-02) 0 mg/ml (-01 & -02) THC (Testing method: HPLC)

Heavy Metals Results: Limits: 1.5 ppm

0.057 ppm

Arsenic (As) Cadmium (Cd) 0.003 ppm 25 ppm ND

15 ppm

(Testing method: TXRF, in accordance with ISO/IEC 17025)

Microbiological Results:

S. aureus	Neg. in 1 g	Total Coliform	<10 cfu/g
Total Plate Count	< 10 cfu/g	P. Aerugenosa	Neg. in 1 g
E coli / Salmonella	Neg. in 1 g	Total Yeast/mold	<10 cfu/g
Total Enterobacteria	<10 cfu/a		

(Testing method: 3M Petrifilm and plate counts for microbiological contamination)

Pesticide Results

resticiue nes	outts.				
Abamectin	ND	Acequinocyl	ND	Bifenazate	ND
Azoxystrobin	ND	Bifenthrin	ND	Chlormequat Cl.	ND
Cyfluthrin	ND	Fenoxycarb	ND	Imidacloprid	ND
Daminozide	ND	Etoxazole	ND	Imazalil	ND
Trifloxystrobin	ND	Cyhalothrin	ND	Resmethrin	ND
Permethrin	ND	Carbaryl	ND	Diazinon	ND
Myclobutanil	ND	Paclobutrazol	ND	Pyrethrium	ND
Spinosad	ND	Spiromesifen	ND	Spirotetramat	ND

(Testing method: HPLC-Mass Spectrometry for 19 compounds including pesticides, fungicides, and plant growth regulators)

ND=None Detected

All analytical work has been conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. Online publication of this document, including social media, is strictly prohibited. Reproduction, except in full, without written approval from Zlis is strictly prohibited. Statements have not been evaluated by the FDA and are not intended to diagnose, treat or cure any disease. Check with your qualified healthcare provider before using this product, not intended for use by those under 18 years of age.

5700 Granite Parkway, Suite 200, Plano, TX 75024 (214) 705 -3702 health@zilis.com www.zilis.com Approved: 12-24-17

PURITY: IT MATTERS

- COUNTRY OF ORIGIN: USA
- USDA CERTIFIED AS ORGANICALLY SOURCED
- ▶ TESTED
- ► NON-GMO
- ► GLUTEN-FREE
- C02 EXTRACTION WITH NO CHEMICALS
- NON-PRESCRIPTION



Servings per Amount per % Daily Container. 30 Serving Value*

16.67 mg

UltraCell Full Spectrum Industrial Hemp Oil

OTHER INGREDIENTS: Purified Water, Glycerin, MCT (from coconut), Natural Flavors (from plant extract), Prebiotic Polysaccharides (from Xanthan and Acacia Gum), Natural Lipids (from non-GMO sunflower). Stevia (from leaf). Potassium Sorbate.

DIRECTIONS: Take 1 mL daily or as directed by a physician. Shake before using. Intended for oral use only. Everyone should consult their qualified healthcare provider prior to using this product. Not intended for use by those under age 18.

*Percent Daily Values (DV) are based upon a 2,000 calorie diet † Daily Value not established

Did You Know?

There is an intricate group of receptors within the body called the endocannabinoid system (ECS). This complex network impacts many areas of health and is most abundant in the brain and immune system. Studies have shown the ECS to be responsible for important functions such as sleep, relaxation, inflammatory responses, and cognitive ability. The ECS is normally fueled by the healthy production of endocannabinoids. The challenge arises when endocannabinoid production becomes impaired or slowed. The good news is that nature has gifted us with a solution. Phytocannabinoids innately occur in the hemp plant and can serve as a replacement for the endocannabinoids your body may be lacking.

UltraCell™

Proprietary Full Spectrum Hemp Oil Phytocannabinoid Rich and Water Soluble

The News Is Out

Since ancient times, the hemp plant has been revered for an abundance of health benefits. Hemp is naturally rich in phytocannabinoids, yet it doesn't stop there. This amazing botanical includes hundreds of other biologically active compounds,. Each one represents its own potential for health benefits. However, when the plant is consumed in its full and natural arrangement the potential for health impact explodes. This phenomenon is known as the "entourage effect" and it only occurs in full spectrum hemp oil. The way that nature intended.

Introducing UltraCell™

Available exclusively from Zilis. UltraCel is a full spectrum, phytocannabinoid rich, and water soluble hemp oil. Our team of experts delicately extracts the complete oil profile of certified USDA organic hemp to make every bottle of UltraCell. Every delightful serving provides phyto cannabinoids, flavonoids, terpenes, vitamins, minerals, omega fatty acids, and more. UltraCell comes in two delicious flavors to please the palate: berry or lemon

Exclusive Technology

As we all know, oil and water don't mix. Its a widely known fact that oil-based supplements are poorly absorbed by the body. Our proprietary UltraCell technology has been developed by Dr. Derrick DeSilva and our team of experts to make the product 100% water soluble. Through our proprietary process, every compound available is delivered deep into your system. More bio-availability means more health benefits and a faster onset of action.

UltraCell sets the standard:

- USDA Certified as Organically Sourced
- 500 mg Full Spectrum Hemp Oil
- Greater Absorption
- Contains Prebiotics
- Pet Friendly
- No Sodium Benzoate
- · Infused with Acai*

All in a delicious, water soluble oil

* Acai berry is used for coloring and flavor purposes in berry flavor UltraCell.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Ultra Cell™ is not made from marijuana. The product is sourced from USDA certified organic industrial hemp plants cultivated under license by the Colorado Department of Agriculture and contract grown pesticide and herbicide-free. The fields from which UltraCell™ is derived were tested by the Colorado Department of Agriculture and certified compliant with the Colorado Industrial Hemp Regulatory Program Act. UltraCell™ is independently HPLC tested and verified to contain 0.00% THC and less than 4.9% cannibidiol by weight.

REASONS TO AVOID HEMP:

1 - ALLERGY TO HEMP

- 2 EMPLOYMENT

 BOTANICALS THAT MODULATE
- BOTANICALS THAT MODULATE CANNABINOID RECEPTORS
- NATURAL SLEEP AIDS
- NATURALLY BOOST COGNITION

ULTRA



THE PAY IT FORWARD COMPANY





UltraCell™

PROPRIETARY FULL SPECTRUM HEMP OIL

Available exclusively from Zilis, UltraCell™ is a full spectrum, phytocannabinoid rich, and water-soluble hemp oil. Our team of experts delicately extracts the complete oil profile of certified USDA organic hemp to make every bottle of UltraCell™. Though notoriously difficult to absorb, our hemp oil uses a proprietary process which

allows the body to use nearly every compound within UltraCell™. This greater bio-availability means more health benefits and a faster onset of action. In addition to more efficient absorption, every delightful serving provides phytocannabinoids, flavonoids, terpenes, vitamins, minerals, omega fatty acids, and more. UltraCell™ comes in the two delicious flavors of berry and lemon so that our hemp oil is not a chore, but a pleasure, to take.



UltraEdge™ FULL SPECTRUM COGNITIVE SUPPO

UltraEdge™ is a water-soluble, cognitive support product designed to explode your mental and physical productivity. UltraEdge™ contains a proprietary blend of powerful nootropics along with our exclusive Mimetix™ formula. UltraEdge™ is formulated to help with every aspect of mental acuity, performance, and cognition, serving is packed with the fuel necessary to help you

perform at your optimal level, whether at work, home, or on the go. Ignite your mental potential, and get the edge you need to take on the day.

for more information go to zilis.com



Ultraice™ FULL SPECTRUM HOMEOSTASIS SUPPORT

Homeostasis is the scientific name for balance. Ultralce™ is designed to help you capture the balance your body desperately needs. By combining our proprietary homeostasis support complex with our breakthrough Mimetix™ formula, Ultralce™ delivers hemp-free mind and body balance. Much like cannabinoids, the curcuminoids found in Ultralce™

have multiple naturally occurring structures. Ultralce™ is formulated using all three of these forms, also known as three-peak. Research has also proven that three-peak curcuminoids modulate cannabinoid receptors. Why settle for inferior products that are limited in their scope when you could create an entourage effect of benefits? Our revolutionary technology allows the ingredients a more dynamic and effective internal delivery. Optimal body function is an elusive goal, but with the help of Ultralce™, that balance can be achieved.



UltraDream™

FULL SPECTRUM SLEEP SUPPORT

Sleep plays an important role in every aspect our physical health. Ongoing sleep deficiency is linked to an increased risk in a host of health issues. Studies show that the gap between getting enough sleep and getting little sleep can affect your mood, your weight, and much more. UltraDream™ is a breakthrough for those who desire to enrich the quality of their sleep. By

combining our Sleep Support blend containing well known sleep aids GABA and Melatonin with our proprietary Mimetix™ formula, UltraDream™ taps into the ECS where it helps settle you into a gentle sleep and promotes a deep restfulness. Unlike other sleep aids, UltraDream™ contains no inconvenient side effects. You'll awake each morning ready to take on your day. Discover the difference UltraDream™ can make tonight.

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ULTRACELL

- PET FRIENDLY
- NO XYLITOL



XYLITOL FREE PET FRIENDLY

FULL SPECTRUM HEMP CBD OIL

AVAILABLE IN LEMON AND BERRY

YOU LOVE THEM. WE LOVE THEM.

OTHER INGREDIENTS: Purified Water, Glycenn, MCT (from coconut), Natural Flavors (from plant extract), Prebiatic Polysacchanides (from Xanthan and Acacia Gunt), Natural Lipida (from non-GMO sunflower), Stevia (from leaf), Potassium Sorbate.







UltraCell™ Full Spectrum Hemp CBD Oil Pet Dosing Suggestions

As humans, our recommended dose of UltraCell* is about 20 drops (1 mL) daily. The suggested dosage for dogs and cats is roughly 1-2 drops per 20 pounds twice daily.

SUGGESTED DOSING RANGE

Dog or Cat	Less than 20 lbs	.005 to .1 mL	1 - 2 drops applied to gums twice daily
Dog	41 – 60 lbs	.01 to .3 mL	2 - 6 drops applied to gums twice daily
Ding	91 - 83 Hz	201 in 26 mil.	2 - 8 shaps applied to game twice daily
Dog	81 – 100 lbs	.02 to .5 mL	4 - 10 drops applied to gums twice daily
Dog	191 - 129 156	0.6 mi.	til - 42 divopa opphish to years today sidily
Dog	121 – 140 lbs	0.8 mL	12 -14 drops applied to gums twice daily
Dog	185 - 189 (2)	QS vil.	til - 50 despe applient to gume taltes slady

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POPULAR LEADING BRANDS

- ULTRACELL
- PRIME MY BODY
- ► HEMPWORX
- ► +CBD OIL
- ANANDA
- PURE STASIS
- ENDOCA
- KOI CBD

ESSENTIAL CHARACTERISTICS

► EIGHT (8) THINGS TO LOOK FOR

POPULAR LEADING BRANDS

ULTRACELL

VITAL CHARACTERISTICS

- WATER-SOLUBLE
- ► 12-HOUR DURATION
- COUNTRY OF ORIGIN: USA
- USDA CERTIFIED AS ORGANICALLY SOURCED
- WHOLE PLANT NOT JUST PARTS, AND NOT JUST HEMP SEED OIL
- CO2 EXTRACTION NO CHEMICALS
- ► LAB TESTING: COA
- PHYSICIAN CONSULTANT ON STAFF (I.E.
 CHIEF MEDICAL OFFICER)

ULTRACELL BY ZILIS

- ULTRACELL IS THE ONLY FULL-SPECTRUM HEMP OIL THAT MEETS OR EXCEEDS ALL OUR REQUIREMENTS.
- ► THE ONE WE CHOOSE FOR FAMILY, FRIENDS, AND PATIENTS MORE THAN ANY OTHER CURRENTLY ON THE MARKET.



FOOD AND DRUG ADMINISTRATION

THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.

EXAMPLES:

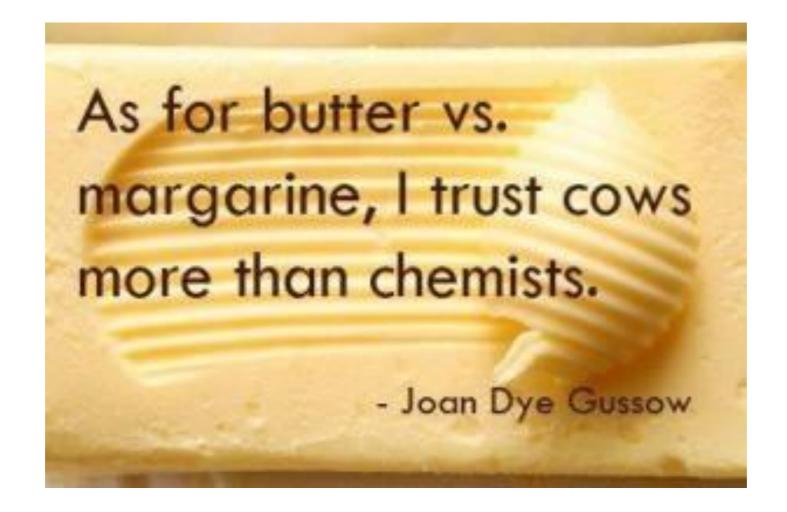
VITAMINS - PRENATAL VITAMINS AND IRON FISH OIL SUPPLEMENTS





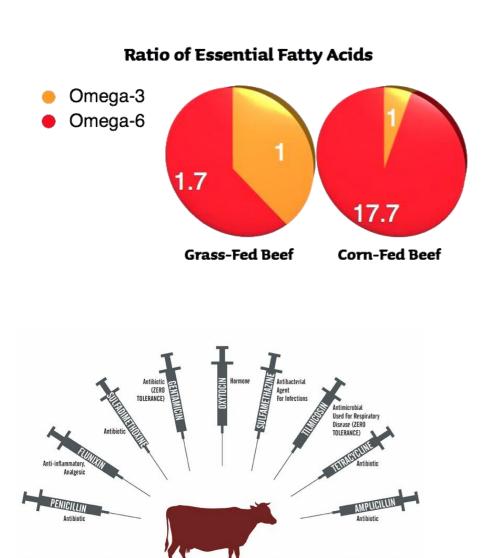
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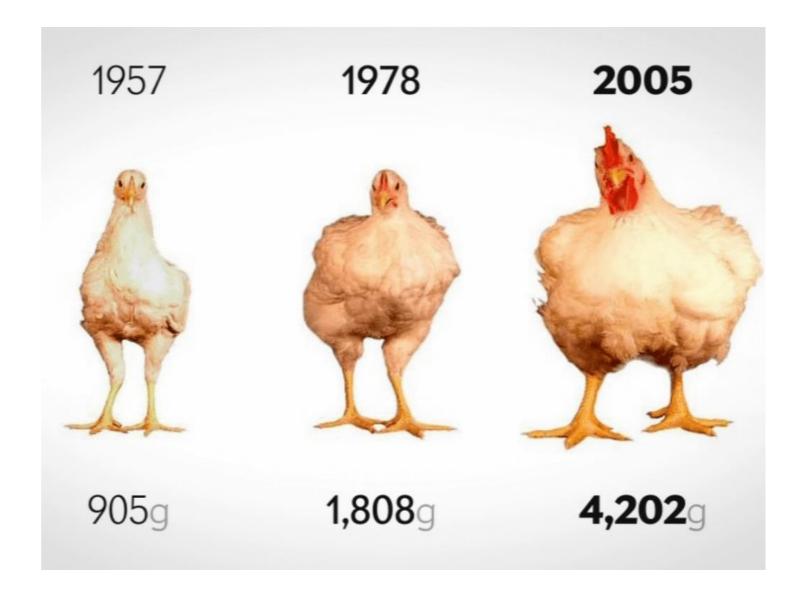
MARGARINE
ARTIFICIAL SWEETENERS
GMO-FOODS



EXAMPLES:

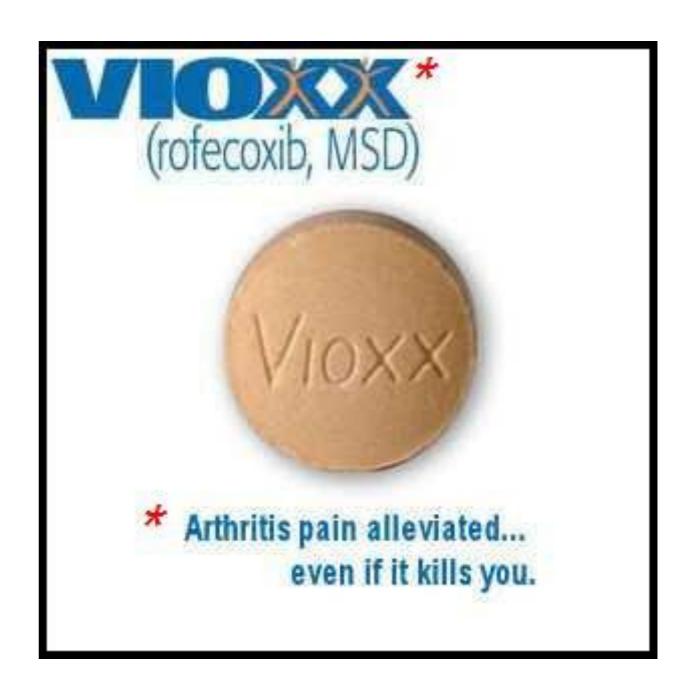
CORN-FED COWS ANTIBIOTICS-HORMONES IN COWS AND CHICKENS





EXAMPLE: VIOXX

- FDA-Approved
- Released 1999
- Withdrawn 2004 by Merck



FULL-SPECTRUM HEMP OIL

- ► PROS:
 - NATURAL, PLANT-BASED, NON-GMO
 - NO ABUSE OR DEPENDENCE POTENTIAL
 - NO CASES OF OVERDOSE
 - 6000 YEARS OF USE IN EASTERN MEDICINE
 - ▶ 60 YEARS OF USE IN USA PRIOR TO 1937.
 - EXPANDING BODY OF CURRENT RESEARCH THAT SUGGESTS BENEFITS
- CONS:
 - ALLERGIES TO HEMP
 - EMPLOYMENT CONCERNS
 - ► MEDICOLEGAL (PREGNANT, ORGAN TRANSPLANT, PEDIATRIC)