



The Secret to Smarter Skin

GALYNATM

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The Secret To Smarter Skin

GALYNA™

Introduction

GALYNA™

Our Mission: Your Wellbeing

The GALYNA™ mission is to provide **science-based, all-natural, topical skincare products**, by enhancing the full potential of **cannabinoid science** to help people take better care of their **most essential barrier – the skin**.

Our Vision: Accessible & Adaptable

Our advanced skincare formulations are the result of **research backed science**, and designed to be used in sync with your lifestyle and existing personal care regime, by anyone over the age of 21. We aim to be completely **transparent** about our research and results, and to continue expanding our knowledge for future product development.

Our People: Industry Experts

The GALYNA™ team boasts multiple doctorates, organic formulators from the biggest skin care laboratories and cannabis industry pioneers. We've enlisted the expertise of scientists, whose research work is focused on **innovating, testing and developing** bio-solutions that allow us to gain a greater understanding of the effects of various cannabinoids on the human body. With their help, we are **continuously adapting and improving** our formulas, to bring you the highest-quality products.





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The Future of Cannabinoid Science

Innovation, Efficacy & Transparency

GALYNA™ is the **synthesis of institutional life sciences** and **legalized craft cannabis**. Our team's history of success includes **45+ years of organic skincare formulation** for the biggest names in the industry, a top cannabis brand's co-founding **pioneer**, and scientific testing and precision by an **expert** in the **development of topical products**.

Your skin has never felt such powerful and surprising forces in regards to anti-bacterial, anti-inflammatory and skin regenerating properties – thanks cannabis! Our first collection of top shelf moisturizers and balms boost **positive skin healing, collagen production, acne reduction** and **general pain relief** through quick and proven luxurious formulations.



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Where Cannabis, Science & Skincare Meet

Where the Secret Starts

There are 3 ways to imbibe cannabinoids:

- **Orally** / Eating and digesting them
- **Inhalation** / Breathing them in
- **Topically** / Rubbing them onto your skin

The skin is the largest organ of the human body, which creates the most varied ways to see how cannabinoids positively affect your appearance and comfort without **psychoactive experiences**.

GALYNA™ revolutionizes how cannabinoids boost your **body's natural defenses** to give you the best armor or appearance imaginable.

Our skincare products go through rigorous development via lab testing to **optimize** and **demonstrate evidence** in scientific breakthroughs. We believe in science, not stories. These patent-pending **GALYNA™** products have been designed for a department store, but present maximum strength efficacies only available in state legal dispensaries.



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Products

Clean Ingredients. Scientifically Sound.

Plant-Based Ingredients • Sustainably Sourced • Never Tested on Animals • Vegan
Free From GMOs • Parabens • Silicone • Petrolatum • Mineral Oil • Phthalates • Gluten

Repair
Healing Balm



Dream
Night Rejuvenating Crème



Soothe
Pain Relief Balm





The Secret To Smarter Skin

GALYNA™ Products

“In 2014, Veritas Fine Cannabis forever changed high-quality cannabis flower cultivation. Now, with those same illicit flowers, GALYNA™ represents the future of Cannabis 3.0 with breakthrough scientific discovery and biotransformation of skin.”

Tobias Ripsom

CEO & Co-Found GALYNA™

Co-Founder Veritas Fine Cannabis

How do we know it works?

Our PhD's and industry veterans have spent years researching and developing advanced topical formulations, and running a vast range of specialist studies via an independent laboratory to **demonstrate efficacy, skin rejuvenation and restoration** to ensure the integrity of our research and findings.

We test for **proven effectiveness** using human skin samples ethically sourced from post-plastic surgeries. It is here, under the microscope and other biochemical studies, that we explore skin cell changes to develop effective solutions and guide **GALYNA™** formulations into the future.



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GALYNA™ Repair

Patent
Pending



Healing Balm

Contains 300mg THC • 300mg CBD

Hello, Harmony. Repair Healing Balm combines potent THC with naturally-derived lanolin to help fight infection, and promote healing in broken or damaged skin. This skin cell regenerator is a proven healer backed by military grade scientific research. Repair provides a comforting yet fast-acting shield and helps heal dry, cracked and damaged skin, with lasting effects.

How To Use: Use daily for best results. Gently apply small amount of Repair in the morning and at night to broken or damaged skin (e.g. cuticles, cuts or scrapes, and sunburn).

Ingredients: Adeps Lanae, Squalane, Limnanthes Alba (Meadowfoam Seed Oil), Aqua, Oryza Sativa (Rice) Bran Wax, Lidocaine HCL, Ascorbyl Palmitate, Tetrahydrocannabinidiol, Cannabidiol, Ethylhexylglycerin, Glycine Soya (Soybean) Oil, Retinyl Palmitate, Tocopherol Acetate, Ascorbyl Isostearate, Menthol, Polyglutamic Acid, Lavandula Angustifolia (Lavender) Flower Oil.

Cruelty Free, Gluten Free, Sustainably Sourced.

The Secret To Smarter Skin

GALYNA™ Dream

Patent Pending



Night Rejuvenating Crème

Contains 300mg THC • 300mg CBD

Sweeter Dreams. Dream Night Rejuvenating Crème is an all-in-one treatment that boosts your skin's natural recovery functions, kills acne and boosts collagen production while you rest. This potent THC-enriched creme replenishes moisture and restores essential lipids with Hyaluronic Acid and naturally clean, scientifically-sound ingredients. Dream amplifies relaxation with a hint of lavender essential oil. Wake with a healthy glow, relaxed and renewed.

How To Use: Use before sleeping for best results. Gently apply Dream at night.

Ingredients: Aqua, Limnanthes Alba (Meadowfoam Seed Oil), Squalane, Cetearyl Alcohol (Plant), Cetearyl Glucoside, Sorbitan Olive, Niacinamide, Olea Europaea (Olive) Fruit Oil, Ethylhexylglycerin, Caprylhydroxamic Acid, Glyceryl Caprylate, Glycerin, Acorbyl Palmitate, Tetrahydrocannabinidiol, Cannabidiol, Sodium Hyaluronate, Meadowfoam Delta Lactone, Glycine Soya (Soybean) Oil, Retinyl Palmitate, Tocopherol Acetate, Ascorbyl Isostearate, Xanthan Gum, Lavandula Angustifolia (Lavender) Flower Oil, Phospholipids, Melatonin.

Cruelty Free, Gluten Free, Plant-Based Ingredients, Vegan, Sustainably Sourced.



The Secret To Smarter Skin

GALYNA™ Soothe



Pain Relief Cream

Contains 300mg THC • 300mg CBD

Quiet Comfort. Soothe Pain Relief Cream uses potent THC to help reduce pain sensations while skin is nourished with plant-based ingredients containing vitamins A, C and E. When applied directly to the skin before or after an activity, Soothe induces a crescendo effect of warmth, helping to reduce pain, inflammation and tightness below the surface. A calming scent and a fast-absorbing formula, this is our high-quality solution to daily aches.

How To Use: Use daily for best results. Gently apply a liberal amount of Soothe to painful areas when needed. This product is ideal for those looking to soothe stubborn pain.

Ingredients: Aqua, Limnanthes Alba (Meadowfoam Seed Oil), Menthol, Cetearyl Alcohol(Plant), Cetearyl Glucoside, Sorbitan Oliviate, Caprylhydroxamic Acid, Glyceryl Caprylate, Glycerin, Ascorbyl Palmitate, Ethylhexylglycerin, Tetrahydrocannabinol, Cannabidiol, Sodium Hyaluronate, Arnica Montana Leaf Extract, Curcuma Longa (Turmeric) Root Oil, Glycine Soya (Soybean) Oil, Retinyl Palmitate, Tocopherol Acetate, Ascorbyl Isostearate, Xanthan Gum, Niacinamide, Lavandula Angustifolia (Lavender) Flower Oil.

Cruelty Free, Gluten Free, Plant-Based Ingredients, Vegan, Sustainably Sourced.



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Science & Studies



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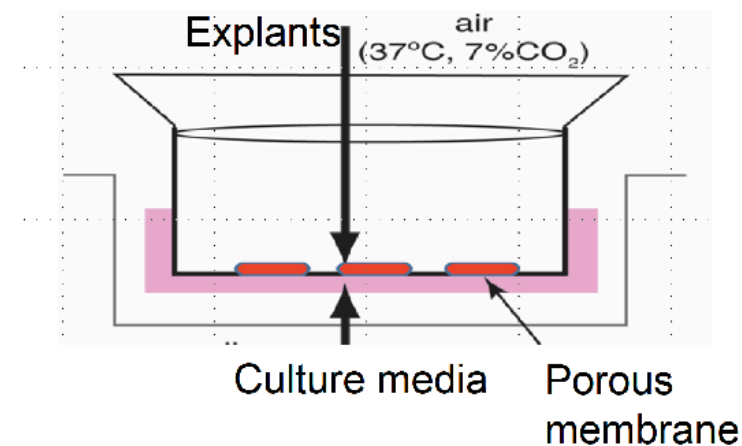
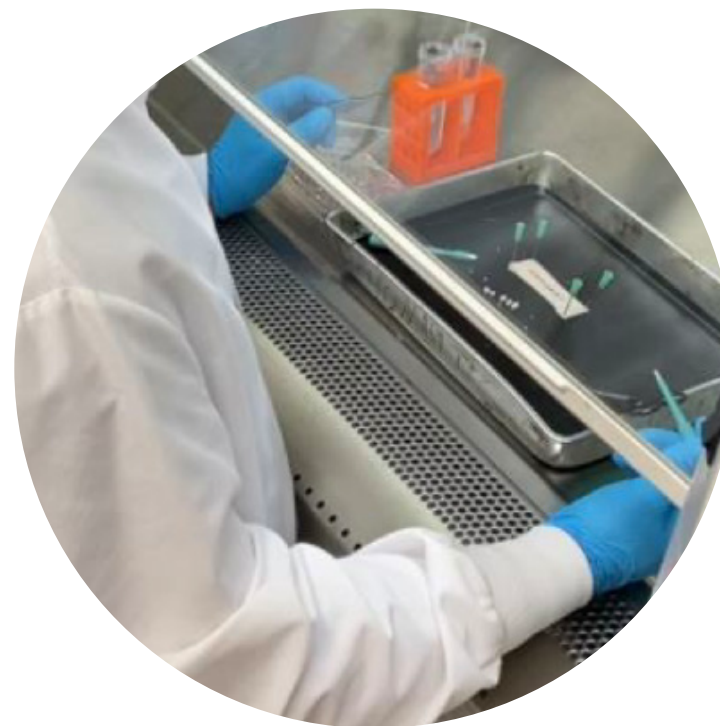
Study 1

Skin Metabolism

Your skin is the largest organ of the body and a healthy metabolism is crucial to your human health. Skin metabolism is important in controlling **regrowth and detoxification properties**. Increased metabolic activity is widely defined as: managing rates of cell turnover and regeneration, collagen production, and repairing damage from UV exposure and aging.

What We Learned

Our proprietary formulations encourage **positive biotransformation**, and cellular regeneration within 24 hours. Through laboratory testing, we discovered that our formulations can enhance skin metabolism up to 50% more than untreated skin, in a non-irritating manner, and increase healing.





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Study 2

Wound Healing

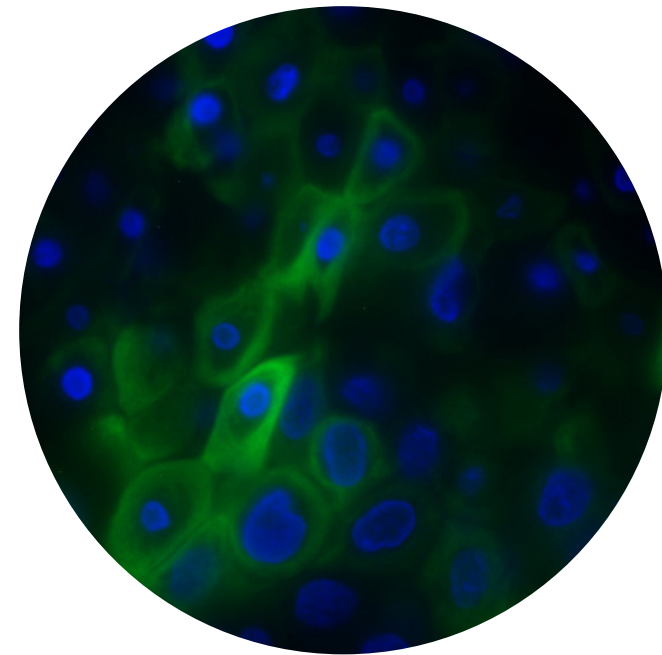
For this study, we sourced human skin explants and created wound beds to treat with our cannabinoid-infused, lanolin-based **Repair** formulation. These samples were tracked and observed for a week at 63x magnification. Stimulation of wound healing and re-epithelialization (ie. the resurfacing of a wound with new epithelium) of the wound bed was noted by production of keratinocytes (K-17).

What We Learned

A one-time application of Repair stimulated the production of keratin 17 (K17) a cytokeratin important for epithelial migration and wound healing. The data shows that through skin penetration, our cannabinoid-infused formulations are able to reach the intended target receptors and **promote wound healing** via K17 expression.

Fig.1

Keratinocytes (K17) are fluorescent green and the nuclei of the cells are colored blue.



The study was led by our **Chief Scientific Officer**, who has previous experience specializing in prevention of the spread of infectious diseases through open wounds and has conducted topical wound healing development studies for the Department of Defense, National Institute of Health and other multinational organizations.



Study 3

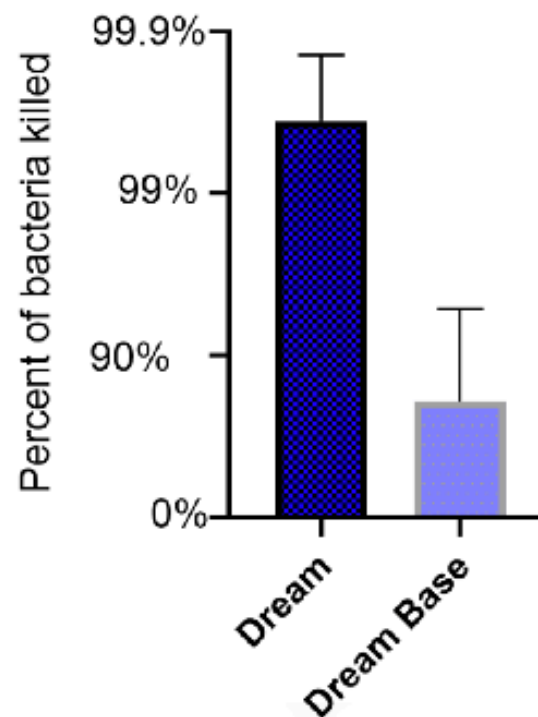
Antibacterial

This study was conducted to determine the **antibacterial/anti-acne effectiveness of GALYNA™** formulations against the bacteria, *Cutibacterium acnes*, which causes acne. Ex vivo human skin obtained via post-surgical elective surgery and under IRB protocol was prepared as 5mm explants. *Cutibacterium acnes* was inoculated to the surface for 2 hours incubation prior to treatment with **Dream** (cannabinoid-containing) and **Dream base** (no cannabinoids).

What We Learned

After 24hr exposure and incubation, *C. acnes* bacterial densities were determined and a **reduction in bacterial counts was logged**. Cannabinoid-containing Dream formulation significantly reduced *C. acnes* compared to growth controls of *C. acnes*. Dream base composition (lacking cannabinoids) did not significantly reduce *C. acnes*.

Decrease in *C. acnes* bacteria post-treatment





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Study 4

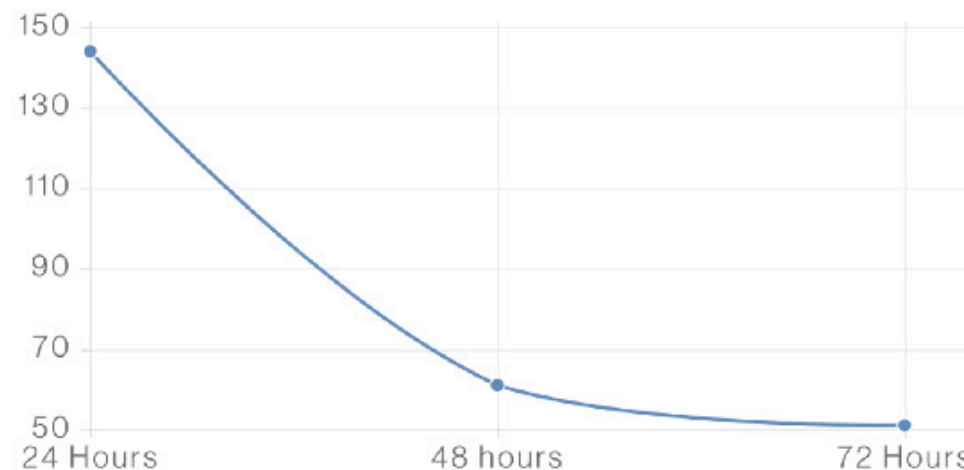
Non-Irritation

For this study, our proprietary **Dream** and **Repair** formulations were all tested extensively using an adapted common standard irritation protocol (OECD 439), against commonly known irritants. A formulation can pass as non-irritating when 50% of cells are still viable after 24hrs of application. Viability of human skin after treatment with CBD containing formulations was assessed over three 24h continuous treatments of 10uL where formulations were washed off and re-applied at each time point.

The formulations were compared to controls that were non-irritating, moderate irritants, and strong irritants. This shows that all formulations tested did not decrease the viability of tissue in a manner that would indicate irritation. **Our formulations passed with human skin cells** remaining at above that mark, beyond twice that duration and only dipping below 50% near 72hrs.

What We Learned

The exposure time required to decrease viability to 50% is called the ET50. A longer ET50 means that skin tissue can be exposed to treatments for longer times before viability is decreased to half of the original. All formulations tested had an ET50 over 24hrs and were much higher than the mild irritant standard. Therefore, **the formulations were classified as non-irritating substances.**



■ Dream



■ Repair

Fig 1 & 2
Viability % Compared to PBS Control



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Frequently Asked Questions

What is the endocannabinoid system (ECS)?

All humans, and many other animals, have an Endocannabinoid System (ECS), an endogenous system that regulates biological balance, or homeostasis.

The ECS consists of three key elements:

Cannabinoid Receptors (CB1 and CB2), Endocannabinoids (chemical compounds produced by the body) and Metabolic Enzymes (produced to break down endocannabinoids). Phytocannabinoids, such as CBD and THC, interact with the ECS by mimicking biological receptor responses.

What is the difference between Topical vs Transdermal?

The difference revolves around locally sitting atop the skin (Topical), versus penetrating into the greater body systems via your skin (Transdermal). GALYNA™ first and foremost delivers skin-centric science to focus on only the outermost layers. GALYNA™'s scientific advantage is Topical in nature which allows only target areas of outer skin to receive our treatment.

A Transdermal product is designed to pass through the epidermis into the deeper tissues and bloodstream, to affect other parts of your mind and body, but may signal positive results in drug testing. Transdermal techniques are commonly used in pharmaceutical applications. GALYNA™ exclusively crafts Topicals designed to improve your skin and life.

What is CBD and THC?

CBD and THC are only two of 113+ identified chemical compounds, or cannabinoids, found in the cannabis

plant. Both compounds interact with the naturally occurring human Endocannabinoid System. CBD (Cannabidiol) is a major, non-psychoactive phytocannabinoid (i.e. plant produced compound that has no 'mind-altering' effects). CBD is produced in large concentrations in the cannabis plant species, and can also be found in other plants, such as hops.

THC (Tetrahydrocannabinol) is the compound in cannabis that is psychoactive, and when consumed or smoked, it is absorbed into the bloodstream and travels to the brain, attaching itself to the naturally-occurring endocannabinoid receptors located in the cerebral cortex, cerebellum, and basal ganglia. These are the parts of the brain responsible for thinking, memory, pleasure, coordination and movement.

What is CBD Isolate?

CBD isolate is a pure, isolated form of CBD. There are no other active compounds in the extract. It represents the most uniformly, batch replicable cannabinoid for our scientific studies.

How do cannabinoids help with skin problems?

There are endocannabinoid receptors found throughout the body and skin. Applying cannabinoids topically targets a localized bodily response. Direct interaction with skin receptors through cannabinoids releases the compounds anti-inflammatory and antioxidant properties.

What age is ok to use GALYNA™?

Our products are designed for 21+ only. Keep out of reach of children.

Will I get 'high'?

GALYNA™ products are for topical use only and will not get you 'high' in the same way that other THC-infused products do, for example edibles or vaporizers.

Will I fail drug tests?

Unlike some skin formulations, the molecules of GALYNA™ are not small enough to enter the bloodstream.

Is GALYNA formulated and tested cruelty free?

Yes. We actually test exclusively on human skin, gained from cadavers or post-plastic surgery, in an independent lab, under microscopes and other diagnostic tools to gauge efficacy and other quantitative metrics of success and failure to deliver the right solution for human skin only.

Are GALYNA products gluten free?

Yes.

Are all GALYNA™ products plant-based?

GALYNA™ products consist of ingredients that are plant based except one: lanolin, found in Repair. Lanolin is naturally sourced from sheep's wool.

Are all GALYNA™ products fragrance-free?

GALYNA™ products are not fragranced in the technical sense. Our Soothe formulation contains menthol, and Dream has whispers of lavender essential oil.

**Can I use GALYNA™ with other cannabis products?
What about other medications?**

We know that both cannabis and skincare are deeply personal. For best results, we recommend using GALYNA™ on its own at first, to monitor your body's reaction. Beyond that, our products can pair very well with other responsibly used cannabis products. That said, always consult your personal physician for complete clarity.

**Why are GALYNA™ products a mix of CBD and THC?
Why not just CBD?**

THC is the most radical of all cannabinoids but contributes to skin health beyond the more mundane plant based particles. Cannabinoids work well in symphony, not missing portions of their concerto. GALYNA™ is constantly refining the cannabinoid complex found in our growing portfolio. Be on the lookout for future cannabinoids beyond CBD & THC in our scientific findings and in our products in the future.

Is GALYNA™ safe to use during pregnancy/nursing?

The research regarding CBD and THC usage during pregnancy in general is still inconclusive. We recommend consulting your physician prior to use.

Are there any toxic or potentially harmful ingredients in any of the GALYNA™ products?

No. All of our ingredients are 100% natural. We are committed to using only the highest-quality, clean

skincare ingredients. We value healing over harming.

What should I do if I have an allergic reaction?

Contact your doctor right away if you experience an allergic reaction.

How do you pronounce GALYNA™ and what does it mean?

Pronounced 'Gah-lee-nah', the word has several interesting meanings:

- 1) It is the name of the Balkan Goddess of Calm and Tranquility.
- 2) Galena is also the name of a highly sought after ore used in silver mining in bastions of calm and tranquility in our roots of the intermountain west like Aspen & Sun Valley.
- 3) It is the name of an eye make-up used to fend off the sun by ancient Egyptians.

Where are you based, and where are your products made?

Our founding and distribution team is based in Denver, Colorado. We are proud to blend 100% of our formulations in the USA, with global ingredients. Our proprietary final formulation is made in small batches and with exacting standards with Colorado cannabinoids.

Contact

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