

Written Testimony for Nicholas Patrick VP of The Maryland Healthy Alternatives Association Owner of Embrace CBD Wellness Centers 410-279-1222

Honorable Chair Wilson and Members of the Economic Matters Committee,

My name is Nicholas Patrick and I am the Vice President of the Maryland Healthy Alternatives Association which works to protect the public's access to safe alternatives to prescription medications and advocates for the hemp industry in Maryland. I am also a minority business owner of Embrace CBD Wellness Centers which has 3 retail locations in Anne Arundel and Howard County Maryland.

I write to you today as what many would define as a "dreamer", I was brought to this country as a baby, and for the majority of my life, I lived in the shadows as an undocumented immigrant. I couldn't legally work, attend college, or even drive a car for 25 years until I was granted a green card at 26 years old. I know what it's like to feel marginalized and forgotten but I always dreamed of owning my own business but I'm more than just a dreamer, I'm a doer. I worked extremely hard to build my business which supports my wife, my son, and my mother who recently lost her husband to covid. I cannot sit idly by while it is destroyed because of a lack of regulation and the greed driven overreach from the cannabis establishment. That is why we started the MHAA to protect our industry from such a threat and to work with the legislature to address the lack of a regulatory landscape by working to craft common sense regulations to protect public safety and the hemp industry participants.

I have deep concerns about the proposed language in the Cannabis Reform Act, HB0556, that aims to lower the acceptable Delta-9-Tetrahydrocannabinol concentration below the federal threshold of 0.3% on a dry weight basis (§ 36-101 (C)(1); Page 18 line 19), and to ban "cannabinoid products not derived from naturally occurring biologically active chemical constituents" (§ 36-1103(2) (B); Page 70, lines 8-10), as well as the efforts to place a cap on

THC at 0.5mg per serving and 2.5mg per package for those without a recreational cannabis license. (§ 36-1103 (A)(1); Page 69, lines 23-27).

The Maryland hemp industry is a major industry in Maryland that contributes large amounts of tax dollars to the state from our product sales that total over \$300,000,000. We have also attached an economic impact report as part of our written testimony that further outlines the sheer size of our industry and the potential loss of revenue to the state that this legislation would cause without the proposed amendments.

The low barrier to entry into the hemp industry attracted many different types of entrepreneurs from all backgrounds, races, and genders creating a true climate of social equity in this "sister industry" to cannabis. Through our cursory research we were able to determine that 30% of all hemp specialty stores in the state identify as Black Owned and 25% of all hemp production licenses were issued to women. This is one of the most diverse communities of business owners that stands to be eradicated by this proposed legislation due to the wholesale ban on Delta 8 and the proposed THC caps. Why destroy social equity in an already existing industry with low barriers to entry where the diversity took shape naturally while trying to create it in another industry with much higher barriers to entry? This seems wildly unnecessary and will only hurt the small business community in our state and further discourage minority participants from owning their own businesses. If people fail in business due to bad business practices, that is something that can happen to anyone, but if people have their businesses robbed from them by overregulation or misguided policy, that can lead to utter discouragement and cause businesses to simply leave the "Free State" of Maryland.

The devastation to the small and minority owned business in the Maryland hemp industry that lowering the acceptable THC concentration in hemp products will cause will be tragic. It would cause hundreds of businesses to close and cause countless people to lose their jobs. This language as written would immediately render nearly all Full Spectrum CBD products illegal as all of them contain more than 2.5mg per package as evidenced by the certificates of analysis attached to this testimony. These COAs are representative of nearly ALL Full Spectrum CBD products that can currently be purchased in CBD specialty stores like ours as well as pharmacies, grocery stores, and many hundreds of retail establishments throughout the state. This arbitrary number of 2.5mg does nothing but destroy current hemp businesses in our state and does not serve in any way to protect public safety or achieve any relevant end. It simply allows for the cannabis establishment to encroach on the rights of legal hemp businesses to further consolidate their industry as well as circumnavigate clearly written federal law. THC limits like these ought to be based in science, however this language has no scientific basis whatsoever but it only mirrors the talking points from the cannabis establishment that we in the hemp industry have heard for years which led to the formation of the MHAA.

We in the hemp industry have always been protected by federal law but now it seems that the State of Maryland wants to criminalize a long standing, federally legal industry while legalizing a

federally illegal industry. Many businesses in our state have been growing hemp for CBD, processing hemp for CBD, manufacturing CBD products, and selling CBD products at retail for years now and they are all in danger of losing a key element of their businesses over arbitrary THC caps that seem to serve no relevant purpose. The federal standard for THC limits for hemp products has always been 0.3% Delta 9 THC on a dry weight basis. We urge the legislature to amend (§ 36-1103 (A)(1); Page 69, lines 23-27) to reflect the federal standard of 0.3% on a dry weight basis and not to change the definition of hemp in Maryland to serve the greed of the cannabis establishment. Doing so would limit access to underserved communities, government employees, veterans, and everyone who relies on these products to improve the quality of their daily lives and force them to conduct business inside of a marijuana establishment that many of them likely never planned on entering. This would just simply be bad policy. Why would we criminalize Full Spectrum CBD products being sold even in places like Whole Foods, spas, and even acupuncturists offices while empowering the high potency THC products that will be available in Adult Use Cannabis dispensaries? That doesn't make any sense, and so I'm sure this was not the intent of the legislature. We urge the committee to make the amendments outlined in our testimony and protect the small and minority owned businesses in Maryland.

Next I will address the further destruction of the hemp industry that would serve as the "nail in the coffin" for small and minority owned hemp businesses which is outlined in (§ 36-1103(2) (B); Page 70, lines 8-10) which refers to cannabinoid products not derived from naturally occurring biologically active chemical constituents. This language is very confusing and it's difficult to determine the intent behind it. However in our many meetings with legislators, including members of this committee we were told that this language takes aim at federally lawful refined hemp cannabinoid products like Delta 8, Delta 10, and HHC. This has been one of the main goals of the cannabis establishment for years now. Lies and misinformation have spread like wildfire from lobbyists for large cannabis companies that have portrayed these products to be some sort of boogeyman which they most certainly are not. We have been the victims of intentional misinformation for far too long and it is time for it to stop. We even heard that a lobbyist in Maryland had said that delta 8 products contain harmful fillers like lye. This is totally untrue, and frankly it's ridiculous.

We understand that like any industry there are bad actors in hemp and we want to weed them out and are willing to work with the state to create a regulatory framework for these products. We have also attached to our testimony a full in-depth report on Delta 8 for the committee to review which further outlines the TRUTH about these products. Before last legislative session these products were not age-gated and were being sold irresponsibly in places like gas stations and convenience stores where minors had unfettered access to them and we were excited to work with the legislature to age gate these products while we worked on a common sense regulatory framework.

In 2022 Senator Feldman and Delegate Pena-Melnyk created a study group led by the MMCC to conduct a comprehensive study on these products that we were, by law, meant to be an active

part of. However, as expected, this study from its inception was highly weighted against the interests of the hemp industry with only 27% of participants being from the hemp industry and the other 73% having a role in the cannabis industry. Throughout the study the 2 members from our association dispelled misinformation, cited facts corroborated by the experts selected to contribute to the study, and worked with the MMCC and the other interested parties (in the limited capacity that we could) to come up with recommendations on how to properly regulate these products. Much to our surprise we agreed with most of the recommendations and were excited to finally have the regulation that our industry so desperately needed to bring legitimacy to these products and promote public safety while protecting the hemp industry's ability to participate in the free market. However now it seems that without ANY consultation from the industry participants who created these products we are now facing a total ban on the products that make up more than 70% of all hemp related sales in the state.

We understand the concerns about public safety especially when it comes to children getting ahold of Delta 8 products. That is why our plan for regulation that we have worked so hard to create is so crucial to this conversation. No, Delta 8 does not contain lye, no it does not contain harmful chemicals, no it does not cause children to die, if the product is tested by a DEA registered, ISO Certified lab and the report shows that it's clean, then it's safe for use for adults 21 and older. These products have a 40% less potent psychotropic effect than Delta 9 products and are purchased specifically for that reason. I urge you to please read our full report on Delta 8 and other non-Delta 9 THC isomers included in testimony from the MHAA and the Maryland Hemp Coalition.

Most people who purchase these Refined Hemp Cannabinoid products are buying them specifically because they have tremendous therapeutic benefits and do not create the long lasting intense "high" produced by recreational cannabis. Our industry serves a different customer. In addition, the prices of these products are much less expensive than what is currently offered by the medical marijuana dispensaries and allow those who are economically disadvantaged to be able to purchase products that improve their daily lives at a fraction of the cost. We are a resource to many underserved communities.

The idea that a public health emergency will happen if Delta 8 is allowed to remain on the market is simply not true. As Maryland opens up its Adult Use Market the potential for a child to get a hold of a bag of Delta 9 edibles from a dispensary will drastically increase and we as a state assume the same risk as if it were a delta 8 product except that delta 8 is a less potent, naturally occurring cannabinoid that delta 9. The solution is simple and is already thoroughly outlined in HB1204. Regulate Delta 8. Enforce testing requirements, labeling and packaging requirements, and create a simple and easy to access addition to a trader's license that allows for the sale of Refined Hemp Cannabinoid Products so that the businesses offering these products can be tracked by the state for purposes of enforcement and establish penalties for breaking the rules. All of this is outlined in our plan.

Please consider the many people from every conceivable background who have built very successful businesses around these products and do not destroy their livelihoods without giving them a chance at finally being able to operate in a well-regulated hemp industry. We have the resources to do it, we have the plan in place, all we need to do is execute it. We are afraid that our very existence is threatened because of a lack of regulation that has allowed bad actors to sell untested substandard products. The answer is not to punish the good guys who tried their best to do the right things in an unregulated market. The answer is regulation, and we have a plan for it that is already filed in HB1204 which models recommendations from the MMCC study on these very products.

We are not opposed to regulation. In fact, we welcome it. Not many industries ask the state for more regulation, but the hemp industry is begging for it. We know we need it but we cannot accept the destruction of our business, which is protected by federal law which will open the state up to unnecessary litigation. The exclusion of all tetrahydrocannabinols in hemp from the CSA, by the actions of the 2018 Farm Bill, should eliminate any question of the legality surrounding these hemp-derived cannabinoids and products (delta-8, delta-10, and other THC isomers.) Unfortunately, the adjacent medical and adult-use cannabis industry, with conflicting economic interests, continues to spread misinformation about these products as they always have.

There is nothing within the 2018 Farm Bill that prohibits deriving Delta 8 or other THC isomers from hemp and enhancing the products with the compounds. Supporting this is a panel of the U.S. Court of Appeals for the Ninth Circuit who stated in March 2022 in a 3-0 ruling, "this Court will not substitute its own policy judgment for that of Congress." We believe the subsequent regulatory actions should reflect the same. There is no need to have this wind up in a legal battle when we can work together to protect the public and the industry.

As the MHAA it is our duty to protect the public's access to these products. These products act as a middle ground between CBD and Cannabis and our customers purchase it specifically because it's less potent. They don't want to be forced to shop in a dispensary and many of our members in this industry may never have even planned to enter the Adult Use Market and may not even have the resources required to do so. Hemp is here to stay, and for good reason. The cannabis industry has become obsessed with constantly increasing the potency of their products and this legislation leaves no room for those consumers who cannot handle the intense "high" produced by these products. That is who the hemp industry currently serves. We can have Beer and Wine as well as Jack Daniels and Bacardi 151. There is a real need for these products and the consumers in Maryland want them as evidenced by the letters written by consumers attached to this testimony.

My wife and I started Embrace CBD Wellness Centers with our life savings of only \$8000 and today after 4 years of work our business has grown to three locations and over \$1.3 million in

annual sales. We are proud to offer science backed educational resources and quality controlled 3rd party lab tested products including Delta 8. We are the good guys, companies like us do exist and they are represented by our membership. We need more of them, you do not need to place us all out of business. We instead encourage a collaborative effort between the state and the industry to properly regulate these products which would be the best solution that serves everyone well.

We do not have to crush small businesses to achieve the goals of this \$2 billion marijuana industry. We can have both a successful cannabis industry and protect our small hemp businesses, and this is only possible through common sense regulation that protects both the public safety and the businesses in the hemp industry and there is already a plan in place to do it. Let's collaborate on ways to achieve the most equitable cannabis industry possible which encompasses all parts of the plant.

I urge you to support the safe and regulated sale of hemp products in Maryland, and to stand with us in protecting small businesses and the American Dream. The hemp industry in Maryland requests that § 36-1103. 2(B) "A PERSON MAY NOT SELL OR DISTRIBUTE A CANNABINOID PRODUCT THAT IS NOT DERIVED FROM NATURALLY OCCURRING BIOLOGICALLY ACTIVE CHEMICAL CONSTITUENTS" be struck and regulatory language from HB1204 be amended into the appropriate section of this legislation.

Thank you for your consideration,

Nicholas Patrick Maryland Healthy Alternatives Association

Proposed Amendments to HB556

Page 18, line 19: (C) (1) A DELTA-9-TETRAHYDROCANNABINOL CONCENTRATION GREATER THAN 1% ON A DRY WEIGHT BASIS.

Page 69, lines 24: (A) (1) [0.5 MILLIGRAMS OF TETRAHYDROCANNABINOL PER SERVING OR 2.5 MILLIGRAMS OF TETRAHYDROCANNABINOL] 0.3% DELTA-9-TETRAHYDROCANNABINOL ON A DRY WEIGHT BASIS UNLESS THE PERSON IS LICENSED

Page 70, Line 8, STRIKE : [(B) A PERSON MAY NOT SELL OR DISTRIBUTE A CANNABINOID PRODUCT THAT IS NOT DERIVED FROM NATURALLY OCCURRING BIOLOGICALLY ACTIVE CHEMICAL CONSTITUENTS.] Below are letters from consumers of these products. I selected a few out of the dozens we received when our customers heard about this legislation.

Dear Chairman Wilson and Committee Members,

My name is Jennifer Fox, I live in Glen Burnie, MD and I am writing to you as a consumer of CBD and hemp-derived THC products.

As someone who has a federal security clearance for employment, I am only able to utilize CBD products to treat my panic and anxiety, as THC is still federally illegal. Until and unless the federal government gets on board with the legalization of marijuana, you risk alienating what I suspect is a large consumer base of CBD products, by restricting access to these products to those who rely on them, and cannot or are uncomfortable with the idea of having to work with recreational dispensaries. You're talking about people who work to support this country, who are trying to better their health and balance that with the fear of losing their jobs. Asking them to visit a dispensary rather than a local shop like Embrace CBD is like asking them to choose their jobs over their health, which should go without saying is an unfair choice.

Many people, like myself, rely on these products for their daily health and wellness needs, and we should not be forced to go to a recreational dispensary in order to access them. The current buying experience is simple and straightforward, and I appreciate the convenience of being able to purchase these products from a trusted source.

After struggling for years to treat my anxiety with prescription medication that had side effects I was not willing to compromise on, the great people at Embrace CBD have quite literally transformed my life. After much hesitation, because of the stigma surrounding the use of CBD and hemp-derived THC products as a federal government employee, and because I had reached a breaking point in dealing with my panic and anxiety, I finally sought the assistance of the folks at Embrace CBD. Not only are they professional and easy to work with as a small business, but they are knowledgeable and very much respect my reservations in trying CBD products because of my employment. Individualized treatment I somehow doubt I would receive at a recreational dispensary, as I would not be the general audience they cater to. They were able to make recommendations based on my needs and restrictions, knowing I am regularly drug tested for work. When I say their wisdom and products transformed my life, I am not exaggerating. After just the first week using the recommended CBD products, I was able to sleep through the night consistently for the first time in years. I am able to go out in public places or with large crowds, drive, and engage in the high-stress of my work without constant panic and fear. I am a better person, better wife, mother, and daughter with the use of these CBD products in my everyday life.

I strongly urge you to protect our access to these products and the existing businesses that sell them. By doing so, you will be ensuring that consumers like myself continue to have access to the products that we need and rely on for our health and well-being.

Thank you for your time and consideration. Sincerely,

Jennifer Fox

Dear Chairman Wilson and Committee Members:

My name is Leslie Friedman and I live in Glen Burnie, Maryland. I am writing to you today as a consumer of CBD and Hemp- derived THC products that are less potent than Marijuana. I strongly urge you to protect my access to these products without having to purchase them from recreational dispensaries.

I am a true believer that it should be a person's right to choose what works for them hence, the reason I voted to legalize Marijuana in the State of MD. My husband had a Medical Marijuana card in the State of MD to be able to purchase, and consume THC products for pain relief. While the product might have worked he did not like the paranoid feelings that were associated with THC products.

Therefore, he tried CBD and hemp-derived THC products and found they provided him with pain relief he was seeking without the paranoid reactions.

I choose to use these products for their many health and wellness benefits, and I appreciate the ease and affordability of purchasing them from existing businesses that already sell quality, lab-tested products.

By closing these businesses you will be forcing the consumer of CBD and hemp-derived products to search for companies located outside of MD. In addition to losing that revenue you are closing one company to open another, it doesn't make sense.

I strongly urge you to protect my access to the products I need and rely on for my personal health and well-being.

Thank you for your time and consideration.

Dear Chairman Wilson and Committee Members,

My name is Mindy Rector. I live in Chesapeake Beach and I am writing to you as a consumer of CBD and hemp-derived THC products that are less potent than marijuana. I strongly urge you to protect my access to these products without having to purchase them from recreational dispensaries.

I choose to use these products for their many health and wellness benefits, and I appreciate the ease and affordability of purchasing them from existing businesses that already sell quality, lab-tested products. The prices are significantly lower than those found at cannabis dispensaries, and the potency is also lower, making these products more accessible and appealing to a wider range of consumers like myself.

Many people, like myself, rely on these products for their daily health and wellness needs, and we should not be forced to go to a recreational dispensary in order to access them. The current buying experience is simple and straightforward, and I appreciate the convenience of being able to purchase these products from a trusted source.

I want to be able to purchase CBD/Hemp products from Embrace CBD Wellness Centers. I trust them and their products. I have been purchasing products from them for over a year to help me with my anxiety. I drive an hour each way because I don't want to go anywhere else. I strongly urge you to protect our access to these products and the existing businesses that sell them. By doing so, you will be ensuring that consumers like myself continue to have access to the products that we need and rely on for our health and well-being.

Thank you for your time and consideration. Sincerely, Mindy Rector

Dear Chairman Wilson and Committee Members,

My name is Joyce Hamcky, I live in Glen Burnie and I am writing to you as a consumer of CBD and hemp-derived THC products.

Last year I needed a total hip replacement, I was in constant excruciating pain. I needed to lose 40 lbs. before the doctors would do the surgery. Someone told me about the CBD oil to help relieve some of the excruciating pain. I purchased and started taking the CBD oil, every day, multiple times a day. It didn't take away all the pain, but it did definitely help with the excruciating part of the pain. I was able to cope and focus on losing the 40 lbs. I needed to lose. It also helped me to be able to sleep at night and I believe it also helped curb my appetite, so I was able to lose the 40 lbs. I needed to lose. I had the total hip replacement on November 2022 and am still using the CBD oil to help me to be able to exercise and be able to do my physical therapy to get my body back to where it was over a year ago. One of the best reasons for taking the CBD, I have not had to rely on prescription pain drugs to get me thru all the pain, prior to the surgery and currently with all the rehab at physical therapy. I don't know how successful I would have been with functioning with all the pain I was in, being able to sleep, losing the weight and

getting thru the entire process. Also, would not have been able to afford using the CBD oil if I had to purchase it at the recreational dispensaries which are more expensive.

The people at Embrace CBD Wellness Centers were very helpful with explaining what my options were, what to try, how much to take, the specials they have every day which helped me to be able to afford to use their products.

Thank you for your time and consideration.

Sincerely,

Joyce Hamcky

Dear Chairman Wilson and Committee Members,

I am writing to you as a concerned friend of a resident of Frederick, who is a consumer of CBD and hemp-derived THC products. I have been informed of the issues they are facing and strongly urge you to protect their access to these products without having to purchase them from recreational dispensaries.

As an outsider, I understand that this may not directly affect me. However, I strongly believe that every consumer should have access to products that can help them maintain their health and well-being. I have witnessed the positive effects that these products have had on my friend's life, and I believe it is important to protect their access to them.

My friend has expressed their appreciation for the ease and affordability of purchasing these products from existing businesses that already sell quality, lab-tested products. They have informed me that the prices are significantly lower than those found at cannabis dispensaries, and the potency is also lower, making these products more accessible and appealing to a wider range of consumers.

I understand that many people, like my friend, rely on these products for their daily health and wellness needs. It is crucial that they should not be forced to go to a recreational dispensary in order to access them. The current buying experience is simple and straightforward, and I believe it is essential to maintain this convenience for consumers like my friend.

I strongly urge you to protect their access to these products and the existing businesses that sell them. By doing so, you will be ensuring that consumers continue to have access to the products that they need and rely on for their health and well-being.

Thank you for your time and consideration.

Sincerely, Noah Langdon.

Dear Chairman Wilson and Committee Members,

My name is Casey. I live in Pasadena and I am writing to you as a consumer of CBD and hemp-derived THC products that are less potent than marijuana. I strongly urge you to protect my access to these products without having to purchase them from recreational dispensaries.

I suffer from osteoarthritis throughout my body and choose to use these products as an alternative to prescription pain relief. I appreciate the ease and affordability of purchasing them from existing businesses that I trust and with whom I have a rapport. I know my wellness center already sells quality, lab-tested products. The prices are significantly lower than those found at cannabis dispensaries and, more importantly to me, the potency is lower.

I strongly urge you to protect our access to these products and the existing businesses that sell them. By doing so, you will be ensuring that consumers like myself continue to have access to the products that we need and rely on for our health and well-being.

Thank you for your time and consideration. Sincerely, Casey Ventola

Dear Chairman Wilson and Committee Members,

My name is Renae Reeves. I live in Glen Burnie, MD and I am writing to you as a consumer of CBD and hemp-derived THC products.

I have my state approved medical cannabis card but after many failed attempts to find a more stable dosage for me once realizing the dispensaries THC potency was just too strong, I decided to switch to CBD and hemp-derived products and have not been disappointed. Now I am able to comfortably purchase my products knowing I'm not going to have to play pharmacist or guinea pig.

I have also purchased CBD for my dog who has shown significant improvement with his inflammation of his joints but more importantly his seizure reduction. One less thing in life I have to worry about.

I strongly urge you to protect our access to these products and the existing businesses that sell them. By doing so, you will be ensuring that consumers like myself continue to have access to the products that we need and rely on for our health and well-being.

Thank you for your time and consideration. Sincerely, Renae D. Reeves

In the following pages you will see different Certificates of Analysis that show the MGs per serving, MGs per package, and the <0.3% Delta 9 THC Concentration on a dry weight basis. Without the proposed amendments every single product like this becomes criminalized.

| ACCS LABORATORY 721 Cortaro Dr. Sun City Center, FL 33573 www.acslabcannabis.com | | CERTIFIED | | Lotion Sample Matrix: CBD/HEMP Derivative Products (External Use) | |
|--|--|--|--|---|---|
| DEA No. RA0571996 FL License # CMTL-0003 CLIA No. 10D1094068 | Certifi | cate of Ar Compliance Test | nalysis | | |
| CLOUD CO. FARMS PO BOX 681 ALAMOSA, CO 81101 | Batch # CCF-FSL3000-001 Batch Date: 2022-12-01 Extracted From: CCF-07182022 | Test Reg S | Method: MSP 7.3.1 tate: Florida | | |
| Lab Note: Merged Potency With Full Panel Order # CLO221201-010001 Order Date: 2022-12-01 Sample # AADU670 | Sampling Date: 2022-12-05 Lab Batch Date: 2022-12-05 Completion Date: 2022-12-12 | | ss Weight: 137.500 g t: 108.032 g | Number of Units: 1 Net Weight per Unit: 11 | 3294.000 mg |
| CBL LOTION CBL LOTION CBL LOTION METHOD METHOD METHOD METHOD METHOD METHOD METHOD | Potency Tested | Pesticides Passed Water Activity Tested | Heavy Metals Passed | Mycotoxins Passed Pathogenic Passed | Residual Solvents Passed Microbiology Petrifilm Passed |
| Product mage | | Tested | 🗳 Poten | cv Summarv | |

| 1 | Potency 10 | | | | Tested | Potency Summary | | | |
|-------------|--------------------|------------|------------|--|--|-------------------------------------|-------------------------|---------------------|--------------------------|
| | Specimen Weight: 8 | 35.830 mg | | | SOP13.001 (LCUV) | Total Active THC 0.083% 98.184mg | | | Active CBD 2649.786mg |
| Analyte | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%) | | | | |
| CBD | 100.000 | 5.40E-5 | 0.0015 | 22.4000 | 2.2400 | | I CBG | | otal CBN |
| Delta-9 THC | 100.000 | 1.30E-5 | 0.0015 | 0.8300 | 0.0830 | 0.049% | 57.964mg | 0.016% | 18.927mg |
| CBG | 100.000 | 2.48E-4 | 0.0015 | 0.4900 | 0.0490 | Other Cannabinoids | | Total (| Cannabinoids |
| CBDV | 100.000 | 6.50E-5 | 0.0015 | 0.3400 | 0.0340 | | | | 2887.557mg |
| CBC | 10.000 | 1.80E-5 | 0.0015 | 0.1900 | 0.0190 | 0.053% | 62.696mg | 2.441% | 2887.557119 |
| CBN | 100.000 | 1.40E-5 | 0.0015 | 0.1600 | 0.0160 | Summary Results deter | rmined from two distinc | t Potency Tests - P | otency 10 |
| CBDA | 100.000 | 1.00E-5 | 0.0015 | <loq< td=""><td><loq< td=""><td>,</td><td></td><td></td><td></td></loq<></td></loq<> | <loq< td=""><td>,</td><td></td><td></td><td></td></loq<> | , | | | |
| CBGA | 100.000 | 8.00E-5 | 0.0015 | <loq< td=""><td><loq< td=""><td></td><td></td><td></td><td></td></loq<></td></loq<> | <loq< td=""><td></td><td></td><td></td><td></td></loq<> | | | | |
| THCA-A | 100.000 | 3.20E-5 | 0.0015 | <loq< td=""><td><loq< td=""><td></td><td></td><td></td><td></td></loq<></td></loq<> | <loq< td=""><td></td><td></td><td></td><td></td></loq<> | | | | |
| THCV | 100.000 | 7.00E-6 | 0.0015 | <loq< td=""><td><loq< td=""><td></td><td></td><td></td><td></td></loq<></td></loq<> | <loq< td=""><td></td><td></td><td></td><td></td></loq<> | | | | |

Residual Solvents - FL

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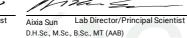
Ph.D., DABT

| Spec | imen We | Weight: 314.900 mg | | | | 2 | CO | | | | | | | (qPCR) | |
|------------------------|--------------|--------------------|-----------------------|--|--------------------|--------------|--------------|-----------------------|--|--|---------|------------------|---------|--------------|----------------|
| Dilution Factor: 5000. | 000 | | | | | | | | | Specimen Weight: 25.4 | 412 g | | | | |
| Analyte | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Dilution Factor: 1.000 | | | | | |
| 1,1-Dichloroethene | 0.0094 | 0.132 | 8 | <loq< td=""><td>Heptane</td><td>0.0013</td><td>8</td><td>500</td><td><loq< td=""><td></td><td>Action</td><td>Recult</td><td>Analyte</td><td>Action Level</td><td>Result</td></loq<></td></loq<> | Heptane | 0.0013 | 8 | 500 | <loq< td=""><td></td><td>Action</td><td>Recult</td><td>Analyte</td><td>Action Level</td><td>Result</td></loq<> | | Action | Recult | Analyte | Action Level | Result |
| 1,2-Dichloroethane | 0.0003 | 0.032 | 2 | <loq< td=""><td>Isopropyl alcohol</td><td>0.0048</td><td>8</td><td>500</td><td>48.139</td><td>Analyte</td><td>Level</td><td>(cfu/g)</td><td></td><td>(cfu/g)</td><td>(cfu/g)</td></loq<> | Isopropyl alcohol | 0.0048 | 8 | 500 | 48.139 | Analyte | Level | (cfu/g) | | (cfu/g) | (cfu/g) |
| Acetonitrile | 0.06 | 0.96 | 60 | <loq< td=""><td>Methylene chloride</td><td>0.0029</td><td>2</td><td>125</td><td><loq< td=""><td>A</td><td>(cfu/g)</td><td></td><td>STEC</td><td>25</td><td>Absence in 25g</td></loq<></td></loq<> | Methylene chloride | 0.0029 | 2 | 125 | <loq< td=""><td>A</td><td>(cfu/g)</td><td></td><td>STEC</td><td>25</td><td>Absence in 25g</td></loq<> | A | (cfu/g) | | STEC | 25 | Absence in 25g |
| Butanes | 0.4167 | 13.32 | 2000 | <loq< td=""><td>Propane</td><td>0.031</td><td>26.668</td><td>2100</td><td><loq< td=""><td>Aspergillus (Flavus, Fumigatus, Niger, Terreus)</td><td>1</td><td>Absence in 1g</td><td></td><td></td><td></td></loq<></td></loq<> | Propane | 0.031 | 26.668 | 2100 | <loq< td=""><td>Aspergillus (Flavus, Fumigatus, Niger, Terreus)</td><td>1</td><td>Absence in 1g</td><td></td><td></td><td></td></loq<> | Aspergillus (Flavus, Fumigatus, Niger, Terreus) | 1 | Absence in 1g | | | |
| Ethyl Acetate | 0.0012 | 6.4 | 400 | <loq< td=""><td>Total Xylenes</td><td>0.0001</td><td>7.2</td><td>150</td><td><loq< td=""><td></td><td></td><td>Absence</td><td></td><td></td><td></td></loq<></td></loq<> | Total Xylenes | 0.0001 | 7.2 | 150 | <loq< td=""><td></td><td></td><td>Absence</td><td></td><td></td><td></td></loq<> | | | Absence | | | |
| Ethyl Ether | 0.0049 | 8 | 500 | <loq< td=""><td>Trichloroethylene</td><td>0.0014</td><td>0.4</td><td>25</td><td><loq< td=""><td>Salmonella</td><td>25</td><td>in 25g</td><td></td><td></td><td></td></loq<></td></loq<> | Trichloroethylene | 0.0014 | 0.4 | 25 | <loq< td=""><td>Salmonella</td><td>25</td><td>in 25g</td><td></td><td></td><td></td></loq<> | Salmonella | 25 | in 25g | | | |
| Ethylene Oxide | 0.0038 | 0.32 | 5 | <loq< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></loq<> | | | | | | | | | | | |

SOP13.039 (GCMS)

Passed 🕸

Gr a Lab Toxicologist Xueli Gao





Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC - O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Deta6a10a-THC + Total CBN - CBT > Deta8a510a-THC + Total CBN - CBT > Deta8a510a-THCV + CBL + Total THC - Acetate, Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, (Julyo) = Million Factor (pb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (fu/g) = Colony Forming Unit per Gram, (LOQ = Limit of Detection, Quantitation = Area Ratio, (mg/Kg) = Millingrams per Gram (ppm) = Parts per Millior = Kilogram, *Measurement of Uncertainty = 4/-10%

СО

Pathogenic SAE (qPCR) -

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.

Passed

SOP13.029



721 Cortaro Dr. Sun City Center, FL 33573 www.acslabcannabis.com

DEA No. RA0571996 FL License # CMTL-0003 CLIA No. 10D1094068



Lotion Sample Matrix: CBD/HEMP Derivative Products (External Use)



Passed

SOP 14.003 (LCMS/GCMS)

Certificate of Analysis

Compliance Test

| CLOUD CO. FARMS PO BOX 681 ALAMOSA, CO 81101 | Batch # CCF-FSL3000-001 Batch Date: 2022-12-01 Extracted From: CCF-07182022-D123 | Sampling Method: MSP 7.3.1 Test Reg State: Florida | |
|--|--|--|--|
| Order # CLO221201-010001 Order Date: 2022-12-01 Sample # AADU670 | Sampling Date: 2022-12-05 Lab Batch Date: 2022-12-05 Completion Date: 2022-12-12 | Initial Gross Weight: 137.500 g Net Weight: 108.032 g | Number of Units: 1 Net Weight per Unit: 118294.000 mg |

Pesticides - CO

Ö"

Specimen Weight: 519.400 mg

| Dilution Factor: 2.890 | | | | | | | | | | | | | | |
|------------------------|---------------|--------------|-----------------------|--|--------------------|-----------------|--------------|-----------------------|--|------------------------------------|-------------------|--------------|-----------------|---------------------|
| Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | | LOQ (ppb) | Action Level | Result (ppb) |
| Abamectin | 0.000318 | 250 | 250 | <loq< td=""><td>Dodemorph</td><td>0.0000000000647</td><td>50</td><td>0</td><td><l0q< td=""><td></td><td></td><td></td><td>(ppb)</td><td></td></l0q<></td></loq<> | Dodemorph | 0.0000000000647 | 50 | 0 | <l0q< td=""><td></td><td></td><td></td><td>(ppb)</td><td></td></l0q<> | | | | (ppb) | |
| Acephate | 0.039632 | 50 | 50 | <loq< td=""><td>Endosulfan sulfate</td><td>0.88376</td><td>2500</td><td>2500</td><td><loq< td=""><td>Naled</td><td>0.00000585</td><td></td><td>0</td><td></td></loq<></td></loq<> | Endosulfan sulfate | 0.88376 | 2500 | 2500 | <loq< td=""><td>Naled</td><td>0.00000585</td><td></td><td>0</td><td></td></loq<> | Naled | 0.00000585 | | 0 | |
| Acequinocyl | 0.057646 | 30 | 0 | <loq< td=""><td>Endosulfan-alpha</td><td>12.22</td><td>2500</td><td>2500</td><td><l0q< td=""><td>Novaluron</td><td>0.000205</td><td>25</td><td>25</td><td></td></l0q<></td></loq<> | Endosulfan-alpha | 12.22 | 2500 | 2500 | <l0q< td=""><td>Novaluron</td><td>0.000205</td><td>25</td><td>25</td><td></td></l0q<> | Novaluron | 0.000205 | 25 | 25 | |
| Acetamiprid | 0.00000000338 | 50 | 50 | <loq< td=""><td>Endosulfan-beta</td><td>22.76</td><td>2500</td><td>2500</td><td><l0q< td=""><td>Oxamyl</td><td>0.001619</td><td></td><td>1500</td><td></td></l0q<></td></loq<> | Endosulfan-beta | 22.76 | 2500 | 2500 | <l0q< td=""><td>Oxamyl</td><td>0.001619</td><td></td><td>1500</td><td></td></l0q<> | Oxamyl | 0.001619 | | 1500 | |
| Aldicarb | 0.022744 | 500 | 500 | <loq< td=""><td>Ethoprophos</td><td>0.0000159</td><td>10</td><td>10</td><td><l0q< td=""><td>Paclobutrazol</td><td>0.000000693</td><td>10</td><td>10</td><td></td></l0q<></td></loq<> | Ethoprophos | 0.0000159 | 10 | 10 | <l0q< td=""><td>Paclobutrazol</td><td>0.000000693</td><td>10</td><td>10</td><td></td></l0q<> | Paclobutrazol | 0.000000693 | 10 | 10 | |
| Allethrin | 0.472436 | 100 | 100 | <loq< td=""><td>Etofenprox</td><td>0.008305</td><td>50</td><td>0</td><td><l0q< td=""><td>Pentachloronitrobenzen(Quintozene)</td><td></td><td>20</td><td>0</td><td></td></l0q<></td></loq<> | Etofenprox | 0.008305 | 50 | 0 | <l0q< td=""><td>Pentachloronitrobenzen(Quintozene)</td><td></td><td>20</td><td>0</td><td></td></l0q<> | Pentachloronitrobenzen(Quintozene) | | 20 | 0 | |
| Atrazine | 0.379918 | 25 | 0 | <loq< td=""><td>Etoxazole</td><td>0.835582</td><td>20</td><td>0</td><td><l0q< td=""><td>Permethrin</td><td>0.022089</td><td>500</td><td>0</td><td></td></l0q<></td></loq<> | Etoxazole | 0.835582 | 20 | 0 | <l0q< td=""><td>Permethrin</td><td>0.022089</td><td>500</td><td>0</td><td></td></l0q<> | Permethrin | 0.022089 | 500 | 0 | |
| Azadirachtin | 0.003071 | 500 | 500 | <loq< td=""><td>Etridiazole</td><td>4.02</td><td>150</td><td>150</td><td><l0q< td=""><td>Phenothrin</td><td>0.00000212</td><td>50</td><td>0</td><td></td></l0q<></td></loq<> | Etridiazole | 4.02 | 150 | 150 | <l0q< td=""><td>Phenothrin</td><td>0.00000212</td><td>50</td><td>0</td><td></td></l0q<> | Phenothrin | 0.00000212 | 50 | 0 | |
| Azoxystrobin | 0.013247 | 10 | 10 | <l0q< td=""><td>Fenhexamid</td><td>1.094685</td><td>125</td><td>0</td><td><l0q< td=""><td>Phosmet</td><td>0.009615</td><td>20</td><td>0</td><td></td></l0q<></td></l0q<> | Fenhexamid | 1.094685 | 125 | 0 | <l0q< td=""><td>Phosmet</td><td>0.009615</td><td>20</td><td>0</td><td></td></l0q<> | Phosmet | 0.009615 | 20 | 0 | |
| Benzovindiflupyr | 0.012567 | 10 | 10 | <loq< td=""><td>Fenoxycarb</td><td>0.345072</td><td>10</td><td>10</td><td><l0q< td=""><td>Piperonylbutoxide</td><td>0.00000134</td><td>1250</td><td>1250</td><td><loq< td=""></loq<></td></l0q<></td></loq<> | Fenoxycarb | 0.345072 | 10 | 10 | <l0q< td=""><td>Piperonylbutoxide</td><td>0.00000134</td><td>1250</td><td>1250</td><td><loq< td=""></loq<></td></l0q<> | Piperonylbutoxide | 0.00000134 | 1250 | 1250 | <loq< td=""></loq<> |
| Bifenazate | 0.000000217 | 10 | 10 | <loq< td=""><td>Fenpyroximate</td><td>0.000000448</td><td>20</td><td>0</td><td><l0q< td=""><td>Pirimicarb</td><td>0.0000566</td><td>10</td><td>10</td><td></td></l0q<></td></loq<> | Fenpyroximate | 0.000000448 | 20 | 0 | <l0q< td=""><td>Pirimicarb</td><td>0.0000566</td><td>10</td><td>10</td><td></td></l0q<> | Pirimicarb | 0.0000566 | 10 | 10 | |
| Bifenthrin | 0.000842 | 1000 | 0 | <loq< td=""><td>Fensulfothion</td><td>0.000794</td><td>10</td><td>10</td><td><l0q< td=""><td>Prallethrin</td><td>0.167321</td><td>50</td><td>0</td><td><loq< td=""></loq<></td></l0q<></td></loq<> | Fensulfothion | 0.000794 | 10 | 10 | <l0q< td=""><td>Prallethrin</td><td>0.167321</td><td>50</td><td>0</td><td><loq< td=""></loq<></td></l0q<> | Prallethrin | 0.167321 | 50 | 0 | <loq< td=""></loq<> |
| Boscalid | 0.00000433 | 10 | 10 | <loq< td=""><td>Fenthion</td><td>4.911315</td><td>10</td><td>10</td><td><l0q< td=""><td>Propiconazole</td><td>0.000000000000213</td><td>10</td><td>0</td><td><loq< td=""></loq<></td></l0q<></td></loq<> | Fenthion | 4.911315 | 10 | 10 | <l0q< td=""><td>Propiconazole</td><td>0.000000000000213</td><td>10</td><td>0</td><td><loq< td=""></loq<></td></l0q<> | Propiconazole | 0.000000000000213 | 10 | 0 | <loq< td=""></loq<> |
| Buprofezin | 0.0000000166 | 20 | 0 | <loq< td=""><td>Fenvalerate</td><td>0.597752</td><td>100</td><td>0</td><td><l00< td=""><td>Propoxur</td><td>0.350807</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<></td></loq<> | Fenvalerate | 0.597752 | 100 | 0 | <l00< td=""><td>Propoxur</td><td>0.350807</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Propoxur | 0.350807 | 10 | 10 | <loq< td=""></loq<> |
| Carbaryl | 0.0000138 | 25 | 25 | <l00< td=""><td>Fipronil</td><td>0.028847</td><td>10</td><td>10</td><td><l00< td=""><td>Pyraclostrobin</td><td>0.00000531</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<></td></l00<> | Fipronil | 0.028847 | 10 | 10 | <l00< td=""><td>Pyraclostrobin</td><td>0.00000531</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Pyraclostrobin | 0.00000531 | 10 | 10 | <loq< td=""></loq<> |
| Carbofuran | 0.0000776 | 10 | 10 | <loq< td=""><td>Flonicamid</td><td>0.069733</td><td>25</td><td>25</td><td><l00< td=""><td>Pyrethrins</td><td>0.006235</td><td>50</td><td>0</td><td><loq< td=""></loq<></td></l00<></td></loq<> | Flonicamid | 0.069733 | 25 | 25 | <l00< td=""><td>Pyrethrins</td><td>0.006235</td><td>50</td><td>0</td><td><loq< td=""></loq<></td></l00<> | Pyrethrins | 0.006235 | 50 | 0 | <loq< td=""></loq<> |
| Chlorantraniliprole | 0.135592 | 20 | 0 | <loq< td=""><td>Fludioxonil</td><td>0.013402</td><td>10</td><td>10</td><td><l00< td=""><td>Pyridaben</td><td>0.000000000000875</td><td>20</td><td>20</td><td><loq< td=""></loq<></td></l00<></td></loq<> | Fludioxonil | 0.013402 | 10 | 10 | <l00< td=""><td>Pyridaben</td><td>0.000000000000875</td><td>20</td><td>20</td><td><loq< td=""></loq<></td></l00<> | Pyridaben | 0.000000000000875 | 20 | 20 | <loq< td=""></loq<> |
| Chlorfenapyr | 15.37 | 1500 | 1500 | <l0q< td=""><td>Fluopyram</td><td>0.00000000112</td><td>10</td><td>10</td><td><l0q< td=""><td>Pyriproxyfen</td><td>0.0000958</td><td>10</td><td>0</td><td><loq< td=""></loq<></td></l0q<></td></l0q<> | Fluopyram | 0.00000000112 | 10 | 10 | <l0q< td=""><td>Pyriproxyfen</td><td>0.0000958</td><td>10</td><td>0</td><td><loq< td=""></loq<></td></l0q<> | Pyriproxyfen | 0.0000958 | 10 | 0 | <loq< td=""></loq<> |
| Chlorpyrifos | 0.0000909 | 500 | 500 | | Hexythiazox | 0.0000619 | 10 | 0 | <l0q< td=""><td>Resmethrin</td><td>0.068013</td><td>50</td><td>50</td><td><loq< td=""></loq<></td></l0q<> | Resmethrin | 0.068013 | 50 | 50 | <loq< td=""></loq<> |
| Clofentezine | 0.000000371 | 10 | 10 | <l00< td=""><td>Imazalil</td><td>0.000295</td><td>10</td><td>10</td><td><l00< td=""><td>Spinetoram</td><td>0.023645</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<></td></l00<> | Imazalil | 0.000295 | 10 | 10 | <l00< td=""><td>Spinetoram</td><td>0.023645</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Spinetoram | 0.023645 | 10 | 10 | <loq< td=""></loq<> |
| Clothianidin | 0.000399 | 25 | 25 | <l00< td=""><td>Imidacloprid</td><td>0.000153</td><td>10</td><td>10</td><td><l00< td=""><td>Spinosad</td><td>0.599029</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<></td></l00<> | Imidacloprid | 0.000153 | 10 | 10 | <l00< td=""><td>Spinosad</td><td>0.599029</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Spinosad | 0.599029 | 10 | 10 | <loq< td=""></loq<> |
| Coumaphos | 0.0000986 | 10 | 10 | | Iprodione | 0.105543 | 500 | 500 | <l00< td=""><td>Spirodiclofen</td><td>03737699.6</td><td>250</td><td>0</td><td><loq< td=""></loq<></td></l00<> | Spirodiclofen | 03737699.6 | 250 | 0 | <loq< td=""></loq<> |
| Cyantraniliprole | 0.006004 | 10 | 10 | | Kinoprene | 3.4 | 500 | 1250 | <l00< td=""><td>Spiromesifen</td><td>0.321831</td><td>3000</td><td>0</td><td><loq< td=""></loq<></td></l00<> | Spiromesifen | 0.321831 | 3000 | 0 | <loq< td=""></loq<> |
| Cyfluthrin | 28.13 | 200 | 0 | | Kresoxim Methyl | 0.000145 | 150 | 150 | <l0q< td=""><td>Spirotetramat</td><td>0.04276</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l0q<> | Spirotetramat | 0.04276 | 10 | 10 | <loq< td=""></loq<> |
| Cypermethrin | 0.00000119 | 300 | 0 | | Lambda Cyhalothrin | 0.116859 | 250 | 0 | <l00< td=""><td>Spiroxamine</td><td>1.217217</td><td>100</td><td>0</td><td><loq< td=""></loq<></td></l00<> | Spiroxamine | 1.217217 | 100 | 0 | <loq< td=""></loq<> |
| Cyprodinil | 0.001141 | 10 | 10 | | Malathion | 0.000133 | 10 | 10 | <l00< td=""><td>Tebuconazole</td><td>0.000000000000148</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Tebuconazole | 0.000000000000148 | 10 | 10 | <loq< td=""></loq<> |
| Daminozide | 0.30408 | 100 | 0 | | Metalaxvl | 0.0000486 | 10 | 10 | <l00< td=""><td>Tebufenozide</td><td>0.018121</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Tebufenozide | 0.018121 | 10 | 10 | <loq< td=""></loq<> |
| Deltamethrin | 0.492837 | 500 | 0 | | Methiocarb | 0.002281 | 10 | 10 | <l00< td=""><td>Teflubenzuron</td><td>0.01662</td><td>25</td><td>25</td><td><loq< td=""></loq<></td></l00<> | Teflubenzuron | 0.01662 | 25 | 25 | <loq< td=""></loq<> |
| Diazinon | 0.00000000391 | 20 | 0 | <l00< td=""><td>Methomyl</td><td>0.00000115</td><td>25</td><td>25</td><td><l00< td=""><td>Tetrachlorvinphos</td><td>0.839125</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<></td></l00<> | Methomyl | 0.00000115 | 25 | 25 | <l00< td=""><td>Tetrachlorvinphos</td><td>0.839125</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Tetrachlorvinphos | 0.839125 | 10 | 10 | <loq< td=""></loq<> |
| Dichlorvos | 1.140571 | 50 | 50 | | Methoprene | 1.148463 | 2000 | 0 | <l00< td=""><td>Tetramethrin</td><td>0.0000992</td><td>100</td><td>0</td><td><loq< td=""></loq<></td></l00<> | Tetramethrin | 0.0000992 | 100 | 0 | <loq< td=""></loq<> |
| Dimethoate | 0.00000284 | 10 | 10 | | methyl-Parathion | 4.24 | 50 | 0 | <l00< td=""><td>Thiabendazole</td><td>0.001251</td><td>20</td><td>0</td><td><loq< td=""></loq<></td></l00<> | Thiabendazole | 0.001251 | 20 | 0 | <loq< td=""></loq<> |
| Dimethomorph | 0.000157 | 50 | 0 | | Mevinphos | 0.0000442 | 25 | 25 | <l00< td=""><td>Thiacloprid</td><td>0.0000112</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Thiacloprid | 0.0000112 | 10 | 10 | <loq< td=""></loq<> |
| Dinotefuran | 0.236975 | 50 | 50 | | MGK-264 | 0.002588 | 50 | 0 | <l00< td=""><td>Thiamethoxam</td><td>0.00000225</td><td>10</td><td>10</td><td><loq< td=""></loq<></td></l00<> | Thiamethoxam | 0.00000225 | 10 | 10 | <loq< td=""></loq<> |
| Diuron | 0.006862 | 125 | 0 | | Myclobutanil | 0.700059 | 10 | 10 | <l00< td=""><td>Thiophanate-methyl</td><td>0.000223</td><td>50</td><td>0</td><td><loq< td=""></loq<></td></l00<> | Thiophanate-methyl | 0.000223 | 50 | 0 | <loq< td=""></loq<> |
| 5101011 | 0.000002 | .25 | 0 | .200 | injoiobatailii | 0.700037 | 10 | 10 | .200 | Trifloxystrobin | 0.000000000000217 | 10 | 10 | <loq< td=""></loq<> |
| | | | | | | | | | | | | | | |

Xueli Gao Lab Toxio

Ph.D., DABT

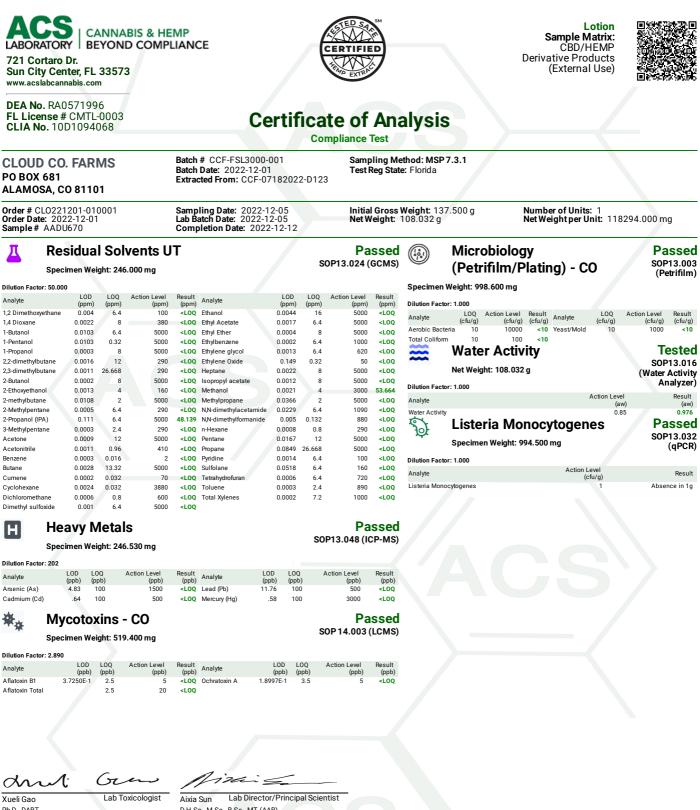
1200 e Lab Toxicologist Aixia Sun

 Aixia Sun
 Lab Director/Principal Scientist

 D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBAA * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877), Total THC-O-Acetate = Delta 8 THCO-Acetate + Delta 9 THC - O-Acetate, Other Cannabinoids Total = (CBAA * 0.877), Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877), Total THCO-Acetate = Delta 8 THCO-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = CBAA * 0.877), Total CBDV = Deta 2 CBC + (CBCA * 0.877), Total CBC = CBC + (CBCA * 0.877), Total CBC = CBC + Total CBC + Total CBC + Total CBV + Delta 0 = THCV + Total CBV + CBT + Delta 8 THCV + TOtal CBC + Total CBV + Delta 10 = THCV + CBL + Total THC + Total CBC + Total CBV + Delta 10 = THCV + Total THC + Total CBC + Total CBC + Total CBC + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBC + Total CBV + Delta 10 = THCV + Total THC - D-Acetate, Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliora, IDC = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution = Detactor (pbP) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, ,LOD = Limit of Detection, (µ/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µ/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram , *Measurement of Uncertainty = +/- 10% This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.



Ph.D., DABT

D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC - 0-Acetate = Delta 8 THC - 0-Acetate = Delta 9 THC - 0-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = THC + Total CBN + CBT > Delta 8 THC + Total CBV + Delta 10 - THC + Fotal THC + CBT = Delta 8 THC + Total CBV + Delta 10 - THC + Total THC - 0-Acetate, Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfurg) = Colony Forming Unit per Gram, (furg) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram , *Measurement of Uncertainty = +/- 10% This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.



51 W. Weldon Ave Phoenix, AZ (480) 788-6644 www.desertvalleytesting.com

Batch

2815 S 5th Ct Milwaukee, WI 53207 (262) 364-6940

Laboratory Number: 2209028-08

Batch #: 4E244C

Sample Received:9/9/2022; Report Created: 9/16/2022

Clarity 3000mg

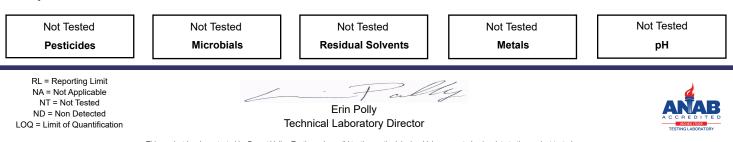
Ingestible



| Cannabir | noid (HPLC) An | alyzed: 09/16/ | 22 By: KSG | | |
|---|------------------|--------------------------------|------------|--|--|
| | LOQ % | mg/g | mg/unit | % | |
| Compound | | | | | |
| THC-A | 0.02014 | ND | ND | ND | |
| delta 9-THC | 0.02014 | 2.3161 | 68.56 | 0.23161 | |
| delta 8-THC | 0.02014 | ND | ND | ND | |
| THC-V | 0.02014 | ND | ND | ND | |
| CBG-A | 0.02014 | ND | ND | ND | |
| CBD-A | 0.02014 | ND | ND | ND | |
| CBD | 0.20135 | 103.1 | 3050.7 | 10.306 | |
| CBD-V | 0.02014 | 0.5505 | 16.30 | 0.05505 | |
| CBN | 0.02014 | 0.4010 | 11.87 | 0.04010 | |
| CBG | 0.02014 | 1.6246 | 48.09 | 0.16246 | |
| CBC | 0.02014 | 1.0466 | 30.98 | 0.10466 | |
| 2.3161 mg/g 68.56 mg/unit 0.23161 % | 3050.70 | 42 mg/g) mg/unit)642 % | 3226 | .0034 mg/g 6.50 mg/unit).90034% | |
| Total THC | Tota | I CBD | Total C | Cannabinoids | |
| Total THC = THCa * 0.877 + delta 9 | THC; Total CBD = | CBDa * 0.877 + | CBD | | |
| 44.50 : 1 | Not | Fested | No | ot Tested | |
| CBD to THC Ratio | Water | Activity | | Moisture | |
| | - | | | | |

| Terpenes (GCMS-MS |) Analyzed: | By: |
|-----------------------------|-------------|---|
| | , g mg/g | % |
| Compound | 9.9 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| | NT | NT |
| alpha-Bisabolol | NT | NT |
| (-)-Borneol and (+)-Borneol | NT | NT |
| Camphene | NT | NT |
| Camphor | NT | NT |
| beta-Caryophyllene | NT | NT |
| trans-Caryophyllene | | |
| Caryophyllene Oxide | NT NT | NT NT |
| alpha-Cedrene | | NT |
| | NT | |
| Endo-fenchyl Alcohol | NT | NT |
| Eucalyptol | NT | NT |
| Fenchone | NT | NT |
| Geraniol | NT | NT |
| Geranyl acetate | NT | NT |
| Guaiol | NT | NT |
| Hexahydrothymol | NT | NT |
| alpha-Humulene | NT | NT |
| Isoborneol | NT | NT |
| Isopulegol | NT | NT |
| Limonene | NT | NT |
| Linalool | NT | NT |
| p-Mentha-1,5-diene | NT | NT |
| beta-Myrcene | NT | NT |
| trans-Nerolidol | NT | NT |
| Ocimene | NT | NT |
| alpha-Pinene | NT | NT |
| beta-Pinene | NT | NT |
| Pulegone | NT | NT |
| Sabinene | NT | NT |
| Sabinene Hydrate | NT | NT |
| gamma-Terpinene | NT | NT |
| alpha-Terpinene | NT | NT |
| 3-Carene | NT | NT |
| Terpineol | NT | NT |
| Terpinolene | NT | NT |
| Valencene | NT | NT |
| Nerol | NT | NT |
| cis-Nerolidol | NT | NT |
| Total Terpenes | NT | NT |

Safety



This product has been tested by Desert Valley Testing using valid testing methodologies. Values reported only relate to the product tested. Desert Valley Testing makes no claims to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Desert Valley Testing.



Kaycha Labs Full Spectrum Distillate

N/A Matrix : Derivative

TESTED

PASSED

Certificate of Analysis

BATCH

r 6

N63W22595 Main St Sussex, WI, 53089, US Telephone: (262) 364-6940 Email: griff@hellobatch.com

Sample : KN20907013-002 Harvest/Lot ID: 220722 Batch#:01 Sampled : 08/22/22 Ordered : 08/22/22

Sample Size Received : 15 gram Total Batch Size : N/A Completed : 09/19/22 Expires: 09/19/23 Sample Method : SOP Client Method

Consumables : N/A

Page 2 of 6

Pesticides

| Pesticide | LOD | Units | Action | Pass/Fail | Result |
|----------------------|------|-------|--------|-----------|--------|
| ABAMECTIN B1A | 0.01 | ppm | 0.3 | PASS | ND |
| ACEPHATE | 0.01 | ppm | 3 | PASS | ND |
| ACEQUINOCYL | 0.01 | ppm | 2 | PASS | ND |
| ACETAMIPRID | 0.01 | ppm | 3 | PASS | ND |
| ALDICARB | 0.01 | ppm | 0.1 | PASS | ND |
| AZOXYSTROBIN | 0.01 | ppm | 3 | PASS | ND |
| BIFENAZATE | 0.01 | ppm | 3 | PASS | ND |
| BIFENTHRIN | 0.01 | ppm | 0.5 | PASS | ND |
| BOSCALID | 0.01 | ppm | 3 | PASS | ND |
| CARBARYL | 0.01 | ppm | 0.5 | PASS | ND |
| CARBOFURAN | 0.01 | ppm | 0.1 | PASS | ND |
| CHLORANTRANILIPROLE | 0.01 | ppm | 3 | PASS | ND |
| CHLORMEQUAT CHLORIDE | 0.01 | ppm | 3 | PASS | ND |
| CHLORPYRIFOS | 0.01 | ppm | 0.1 | PASS | ND |
| CLOFENTEZINE | 0.01 | ppm | 0.5 | PASS | ND |
| COUMAPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| CYPERMETHRIN | 0.01 | ppm | 1/ | PASS | ND |
| DAMINOZIDE | 0.01 | ppm | 0.1 | PASS | ND |
| DIAZANON | 0.01 | ppm | 0.2 | PASS | ND |
| DICHLORVOS | 0.01 | ppm | 0.1 | PASS | ND |
| DIMETHOATE | 0.01 | ppm | 0.1 | PASS | ND |
| DIMETHOMORPH | 0.01 | ppm | 3 | PASS | ND |
| ETHOPROPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| ETOFENPROX | 0.01 | ppm | 0.1 | PASS | ND |
| ETOXAZOLE | 0.01 | ppm | 1.5 | PASS | ND |
| FENHEXAMID | 0.01 | ppm | 3 | PASS | ND |
| FENOXYCARB | 0.01 | ppm | 0.1 | PASS | ND |
| FENPYROXIMATE | 0.01 | ppm | 2 | PASS | ND |
| FIPRONIL | 0.01 | ppm | 0.1 | PASS | ND |
| FLONICAMID | 0.01 | ppm | 2 | PASS | ND |
| FLUDIOXONIL | 0.01 | ppm | 3 | PASS | ND |
| HEXYTHIAZOX | 0.01 | ppm | 2 | PASS | ND |
| IMAZALIL | 0.01 | ppm | 0.1 | PASS | ND |
| IMIDACLOPRID | 0.01 | ppm | 3 | PASS | ND |
| KRESOXIM-METHYL | 0.01 | ppm | 1 | PASS | ND |
| MALATHION | 0.01 | ppm | 2 | PASS | ND |
| METALAXYL | 0.01 | ppm | 3 | PASS | ND |
| METHIOCARB | 0.01 | ppm | 0.1 | PASS | ND |
| METHOMYL | 0.01 | ppm | 0.1 | PASS | ND |
| MEVINPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| MYCLOBUTANIL | 0.01 | ppm | 3 | PASS | ND |
| NALED | 0.01 | ppm | 0.5 | PASS | ND |
| OXAMYL | 0.01 | ppm | 0.5 | PASS | ND |
| PACLOBUTRAZOL | 0.01 | ppm | 0.1 | PASS | ND |
| PERMETHRINS | 0.01 | ppm | 1 | PASS | ND |
| PHOSMET | 0.01 | ppm | 0.2 | PASS | ND |
| | | · / | | | |

| Pesticide | 28 | LOD | Units | Action Level | Pass/Fail | Result |
|--|--------------------|---------------------------|--------------------------------|-----------------|-------------------|--------|
| PIPERONYL BUTOX | IDE | 0.01 | ppm | 3 | PASS | ND |
| PRALLETHRIN | | 0.01 | ppm | 0.4 | PASS | ND |
| PROPICONAZOLE | | 0.01 | ppm | 1 | PASS | ND |
| PROPOXUR | | 0.01 | ppm | 0.1 | PASS | ND |
| PYRETHRINS | | 0.01 | ppm | 1 | PASS | ND |
| PYRIDABEN | | 0.01 | ppm | 3 | PASS | ND |
| SPINETORAM | | 0.01 | ppm | 3 | PASS | ND |
| SPIROMESIFEN | | 0.01 | ppm | 3 | PASS | ND |
| SPIROTETRAMAT | | 0.01 | ppm | 3 | PASS | ND |
| SPIROXAMINE | | 0.01 | ppm | 0.1 | PASS | ND |
| TEBUCONAZOLE | | 0.01 | ppm | 1 | PASS | ND |
| THIACLOPRID | | 0.01 | ppm | 0.1 | PASS | ND |
| THIAMETHOXAM | | 0.01 | ppm | 1 | PASS | ND |
| TOTAL SPINOSAD | | 0.01 | ppm | 3 | PASS | ND |
| TRIFLOXYSTROBIN | | 0.01 | ppm | 3 | PASS | ND |
| Analyzed by: 2803 | Weight: 0.5085g | Extraction 09/13/22 18 | | Ŵ | Extracted 2803 | by: |
| Analysis Method :S Analytical Batch :K Instrument Used :R Running on :N/A | 0.060 | | d On :09/16/. ate :09/13/22 | | A | |
| Dilution : 0.01 Reagent : N/A | | | | | | |

Pipette : N/A Presticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). *Based on FL action limits.

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Sue Ferguson

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09/19/22

Signed On

Signature



Full Spectrum Distillate N/A



TESTED

Page 3 of 6

Certificate of Analysis

BATCH

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N63W22595 Main St Sussex, WI, 53089, US Telephone: (262) 364-6940 Email: griff@hellobatch.com Sample : KN20907013-002 Harvest/Lot ID: 220722 Batch#:01 Sampled : 08/22/22 Ordered : 08/22/22

Sample Size Received : 15 gram Total Batch Size : N/A Completed : 09/19/22 Expires: 09/19/23 Sample Method : SOP Client Method

PASSED

Residual Solvents

| Solvents | LOD | Units | Action Level | Pass/Fail | Result |
|---|--------|------------------|---|---------------|--------|
| ROPANE | 500 | ppm | 2100 | PASS | ND |
| UTANES (N-BUTANE) | 500 | ppm | 2000 | PASS | ND |
| IETHANOL | 25 | ppm | 3000 | PASS | ND |
| THYLENE OXIDE | 0.5 | ppm | 5 | PASS | ND |
| ENTANES (N-PENTANE) | 75 | ppm | 5000 | PASS | ND |
| THANOL | 500 | ppm | 5000 | PASS | ND |
| THYL ETHER | 50 | ppm | 5000 | PASS | ND |
| 1-DICHLOROETHENE | 0.8 | ppm | 8 | PASS | ND |
| CETONE | 75 | ppm | 5000 | PASS | ND |
| -PROPANOL | 50 | ppm | 500 | PASS | ND |
| CETONITRILE | 6 | ppm | 410 | PASS | ND |
| ICHLOROMETHANE | 12.5 | ppm | 600 | PASS | ND |
| I-HEXANE | 25 | ppm | 290 | PASS | ND |
| THYL ACETATE | 40 | ppm | 5000 | PASS | ND |
| HLOROFORM | 0.2 | ppm | 60 | PASS | ND |
| ENZENE | 0.1 | ppm | 2 | PASS | ND |
| ,2-DICHLOROETHANE | 0.2 | ppm | 5 | PASS | ND |
| EPTANE | 500 | ppm | 5000 | PASS | ND |
| RICHLOROETHYLENE | 2.5 | ppm | 80 | PASS | ND |
| OLUENE | 15 | ppm | 890 | PASS | ND |
| OTAL XYLENES - M, P & O - DIMETHYLBENZENE | 15 | ppm | 2170 | PASS | ND |
| | light: | Extraction date: | | Extracted by: | |
| I/A N// | A | N/A | | N/A | |
| nalysis Method : SOP.T.40.032 nalytical Batch : KN002878SOL sstrument Used : E-SHI-106 Residual Solvents unning on : N/A | | | Reviewed On : 09/19/22 Batch Date : 09/09/22 1 | | |

Pipette : N/A

Residual solvents analysis is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). *Based on FL action limi

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09/19/22



Kaycha Labs

Full Spectrum Distillate N/A Matrix : Derivative



TESTED

Certificate of Analysis

BATCH

Consumables : N/A

Pipette : N/A

N63W22595 Main St Sussex, WI, 53089, US Telephone: (262) 364-6940 Email: griff@hellobatch.com Sample : KN20907013-002 Harvest/Lot ID: 220722 Batch# : 01 Sampled : 08/22/22 Ordered : 08/22/22

PASSED

Sample Size Received :15 gram Total Batch Size : N/A Completed : 09/19/22 Expires: 09/19/23 Sample Method : SOP Client Method

| Page 4 of 6 |
|-------------|
|-------------|

S Microbial

| Analyte | | LOD | Units | Result | Pass / Fail | Action |
|--|--------------------|-----------------------|---|-------------|---------------------|--------|
| ESCHERICHIA C | OLI SHIGELLA | | | Not Present | PASS | |
| SALMONELLA S | PECIFIC GENE | | | Not Present | PASS | |
| ASPERGILLUS F | LAVUS | | | Not Present | PASS | |
| ASPERGILLUS F | UMIGATUS | | | Not Present | PASS | |
| ASPERGILLUS N | IIGER | | | Not Present | PASS | |
| ASPERGILLUS T | ERREUS | | | Not Present | PASS | |
| Analyzed by: 2657 | Weight: 1.0021g | Extractio 09/08/22 | n date: 14:13:01 | / | Extracted b 2657 | y: |
| Analysis Method : Analytical Batch : Instrument Used : Running on : N/A | | | i On : 09/09/22 te : 09/07/22 10 | | | |
| Dilution : N/A Reagent : N/A | | | | | | |

Mycotoxins PASSED Analyte LOD Units Result Pass / Action Fail Level AFLATOXIN G2 0.002 ND PASS 0.02 ppm AFLATOXIN G1 0.002 PASS ND 0.02 pom AFLATOXIN B2 PASS 0.002 ppm ND 0.02 AFLATOXIN B1 PASS 0.002 ppm ND 0.02 PASS **OCHRATOXIN A+** 0.002 ppm ND 0.02 TOTAL MYCOTOXINS 0.002 ppm ND PASS 0.02 Weight: 0.5085g Extraction date: 09/13/22 18:44:18 Extracted by: Analyzed by: 2803 2803 Analysis Method : SOP.T.30.060, SOP.T.40.060 Analytical Batch : KN002909MYC Instrument Used : E-SHI-125 Mycotoxins eviewed On : 09/16/22 16:46:18 Batch Date : 09/16/22 16:31:20 Running on : N/A Dilution : 0.01 Reagent : N/A Consumables : N/A Pipette : N/A

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb). "Based on FL action limits.

Heavy Metals PASSED Hg Metal LOD Units Result Pass / Action Fail Level ARSENIC-AS 0.02 ND PASS 1.5 ppm CADMIUM-CD PASS 0.02 ND 0.5 ppm MERCURY-HG 0.02 PASS ppm ND 3 LEAD-PB PASS 0.02 0.5 ND mog Analyzed by: 138, 12 Extraction date Extracted by: 0.2548g 09/09/22 14:46:47 138 Analysis Method : SOP.T.40.050, SOP.T.30.052 Reviewed On : 09/09/22 16:44:29 Analytical Batch : KN002871HEA Batch Date : 09/07/22 14:00:07 Instrument Used : Metals ICP/MS Running on : N/A Dilution : 50 Reagent : N/A Consumables : N/A Pipette : N/A

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.

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09/19/22



Full Spectrum Distillate N/A Matrix : Derivative



TESTED

Certificate of Analysis

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N63W22595 Main St Sussex, WI, 53089, US Telephone: (262) 364-6940 Email: griff@hellobatch.com Sample : KN20907013-002 Harvest/Lot ID: 220722 Batch#:01 Sampled : 08/22/22 Ordered : 08/22/22

PASSED

Sample Size Received : 15 gram Total Batch Size : N/A Completed : 09/19/22 Expires: 09/19/23 Sample Method : SOP Client Method



Filth/Foreign Material

| Analyte Filth and Foreig | n Material | LOD | Units detect/g | Result ND | P/F PASS | Action Level |
|--|--------------------|-----|---------------------------|--------------|-----------------------------|--------------|
| Analyzed by: 2657 | Weight: 0.7115g | | tion date: 22 14:16:35 | | Extra 2657 | acted by: |
| | | | | | | |
| Analysis Method : : Analytical Batch :) Instrument Used : Running on : N/A | | | Revi | | 09/08/22 14 9/07/22 10:2 | |

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.



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Kaycha Labs Full Spectrum Distillate

N/A Matrix : Derivative



TESTED

Certificate of Analysis

BATCH

N63W22595 Main St Sussex, WI, 53089, US Telephone: (262) 364-6940 Email: griff@hellobatch.com Sample : KN20907013-002 Harvest/Lot ID: 220722 Batch#:01 Sampled : 08/22/22 Ordered : 08/22/22

Sample Size Received : 15 gram Total Batch Size : N/A Completed : 09/19/22 Expires: 09/19/23 Sample Method : SOP Client Method



PASSED Environmental

| Analyte | Result | Pass/Fail | Action |
|--|------------------|-----------------|--------|
| ASPERGILLUS FLAVUS (ENV) | Not Present | TESTED | |
| BILE TOLERANT GRAM NEGATIVE HIG | H Not Present | TESTED | |
| TOTAL AEROBIC BACTERIA HIGH | Not Present | TESTED | |
| TOTAL ENTEROBACTERIACEAE HIGH | Not Present | TESTED | |
| AEROMONAS HYDROPHILIA & SALMONICIDA | Not Present | TESTED | |
| BACILLUS GROUP 1 | Not Present | TESTED | |
| BACILLUS GROUP 2 | Not Present | TESTED | |
| CAMPYLOBACTER SPP. | Not Present | TESTED | |
| ESCHERICHIA COLI/SHIGELLA SPP. (E | NV) Not Present | TESTED | |
| LISTERIA SPP. | Not Present | TESTED | |
| PSEUDOMONAS AERUGINOSA (ENV) | Not Present | TESTED | |
| PSEUDOMONAS SPP. | Not Present | TESTED | |
| SALMONELLA ENTERICA/ENTEROBACT | TER Not Present | TESTED | |
| STAPHYLOCOCCUS AUREUS (ENV) | Not Present | TESTED | |
| TOTAL YEAST & MOLD HIGH | Not Present | TESTED | |
| ALTERNARIA SPP. | Not Present | TESTED | |
| ASPERGILLUS FUMIGATUS (ENV) | Not Present | TESTED | |
| ASPERGILLUS NIGER (ENV) | Not Present | TESTED | |
| ASPERGILLUS TERREUS (ENV) | Not Present | TESTED | |
| BOTRYTIS SPP. | Not Present | TESTED | |
| CAN. ALB/TROP/DUB | Not Present | TESTED | |
| CAN. GLAB/SACH & KLUV SPP. | Not Present | TESTED | |
| CANDIDA ALBICANS | Not Present | TESTED | |
| CLADOSPORIUM SPP. | Not Present | TESTED | |
| FUSARIUM OXYSPORUM | Not Present | TESTED | |
| FUSARIUM SOLANI | Not Present | TESTED | |
| GOLOVINOMYCES 1J2 | Not Present | TESTED | |
| MUCOR SPP. | Not Present | TESTED | |
| PEN & ASP SPP. | Not Present | TESTED | |
| PENICILLIUM SPP. | Not Present | TESTED | |
| SACCHAROMYCES SPP. | Not Present | TESTED | |
| | Extraction date: | Extracte N/A | d by: |

| 074 |
|---|
| eviewed On : 09/19/22 11:24:52 atch Date : N/A |
| |

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=in-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, Deb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for concurnation and/or inhalation. The reav usrible based on uncertainty of for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Sue Ferguson

Lab Director State License # n/a ISO Accreditation # 17025:2017 Sulimon

Signature

09/19/22



ICAL ID: 20220916-003 Sample: CA220916-016-085 cbdMD-TIN-CM-6000-FS Strain: cbdMD-TIN-CM-6000-FS Category: Ingestible cbdMD Lic # 10130 Perimeter Pkwy Charlotte , NC 28216

Lic #

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

Batch#: 22571T6.1 Batch Size Collected: Total Batch Size: Collected: 09/19/2022; Received: 09/19/2022 Completed: 09/19/2022

1 Unit = bottle, 30,47 g.

| Mois N Water A N | T 82.8 | ∆9-тнс 0 mg/unit | свр 6,831.47 mg/u | Total Cannabinoids Init 7,112.31 mg/unit | Total Terpenes 3.662 mg/g | | |
|---|---|--|--|---|-------------------------------------|--|--|
| Summary Batch Cannabinoids Terpenes Residual Solvents Microbials Mycotoxins Heavy Metals Pesticides | SOP Used POT-PREP-004 High TERP-PREP-001 RS-PREP-001 MICRO-PREP-001 PESTMYCO-LC-PREP-001 HM-PREP-001 PESTMYCO-LC-PREP-001/ PEST-GC-PREP-001 | 09/19/2022 09/19/2022 09/19/2022 09/17/2022 09/16/2022 | Pass Complete Complete Pass Pass Pass Pass Pass Pass | cb.chm CED OIL CED OIL CED TIL | Scan to see result | | |

Cannabinoid Profile

| Carma | | //// | | | | | | | 1 0111 | , bottle | , |
|---------|------------|------------|--------|--------|---------|-----------|------------|------------|--------|----------|---------|
| Analyte | LOQ (mg/g) | LOD (mg/g) | % | mg/g | mg/unit | Analyte | LOQ (mg/g) | LOD (mg/g) | % | mg/g | mg/unit |
| THCa | 0.1841 | 0.0614 | ND | ND | ND | CBDV | 0.0741 | 0.0247 | 0.163 | 1.63 | 49.64 |
| ∆9-THC | 0.0794 | 0.0265 | 0.272 | 2.72 | 82.80 | CBN | 0.1112 | 0.0371 | 0.042 | 0.42 | 12.80 |
| ∆8-THC | 0.0824 | 0.0275 | ND | ND | ND | CBGa | 0.2669 | 0.0890 | ND | ND | ND |
| THCV | 0.0714 | 0.0238 | ND | ND | ND | CBG | 0.0915 | 0.0305 | 0.074 | 0.74 | 22.46 |
| CBDa | 0.0880 | 0.0293 | ND | ND | ND | CBC | 0.2221 | 0.0740 | 0.371 | 3.71 | 113.14 |
| CBD | 0.0755 | 0.0252 | 22.420 | 224.20 | 6831.47 | Total THC | | | 0.27 | 2.72 | 82.80 |
| | | | | | | Total CBD | | | 22.42 | 224.20 | 6831.47 |
| | | | | | | Total | | | 23.34 | 233.42 | 7112.31 |

Total THC=THCa* 0.877 + d9-THC;Total CBD = CBDa* 0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

Terpene Profile

| Analyte | LOQ (mg/g) | LOD (mg/g) | % | mg/g | Analyte | LOQ (mg/g) | LOD (mg/g) | % | mg/g |
|---------------------|------------|------------|--|--|-----------------|------------|------------|--------|-------|
| α-Bisabolol | 0.193 | 0.064 | 0.1370 | 1.370 | Cedrol | 0.207 | 0.069 | ND | ND |
| δ-Limonene | 0.449 | 0.150 | 0.0772 | 0.772 | cis-Nerolidol | 0.251 | 0.084 | ND | ND |
| β-Caryophyllene | 0.608 | 0.179 | 0.0648 | 0.648 | Citronellol | 0.598 | 0.120 | ND | ND |
| α-Humulene | 0.151 | 0.026 | 0.0352 | 0.352 | δ-3-Carene | 0.306 | 0.024 | ND | ND |
| Menthol | 0.215 | 0.072 | 0.0341 | 0.341 | Eucalyptol | 0.244 | 0.081 | ND | ND |
| (-)-Guaiol | 0.154 | 0.029 | 0.0179 | 0.179 | Fenchol | 0.152 | 0.024 | ND | ND |
| α-Cedrene | 0.151 | 0.032 | ND | ND | Fenchone | 0.151 | 0.025 | ND | ND |
| α-Pinene | 0.151 | 0.022 | ND | ND | y-Terpinene | 0.152 | 0.033 | ND | ND |
| α-Terpinene | 0.163 | 0.054 | ND | ND | Geraniol | 0.609 | 0.114 | ND | ND |
| α-Terpineol | 0.154 | 0.033 | ND | ND | Geranyl Acetate | 0.151 | 0.030 | ND | ND |
| β-Eudesmol | 0.227 | 0.076 | ND | ND | Isoborneol | 0.151 | 0.033 | ND | ND |
| β-Myrcene | 0.153 | 0.015 | <loq< th=""><th><loq< th=""><th>Linalool</th><th>0.154</th><th>0.036</th><th>ND</th><th>ND</th></loq<></th></loq<> | <loq< th=""><th>Linalool</th><th>0.154</th><th>0.036</th><th>ND</th><th>ND</th></loq<> | Linalool | 0.154 | 0.036 | ND | ND |
| β-Pinene | 0.306 | 0.027 | ND | ND | Pulegone | 0.169 | 0.056 | ND | ND |
| Borneol | 0.154 | 0.024 | ND | ND | p-Cymene | 0.175 | 0.058 | ND | ND |
| Camphene | 0.151 | 0.017 | ND | ND | Terpinolene | 0.154 | 0.013 | ND | ND |
| Camphor | 0.306 | 0.055 | ND | ND | trans-Nerolidol | 0.222 | 0.074 | ND | ND |
| Caryophyllene Oxide | 0.602 | 0.113 | <loq< th=""><th><loq< th=""><th>Total</th><th></th><th></th><th>0.3662</th><th>3.662</th></loq<></th></loq<> | <loq< th=""><th>Total</th><th></th><th></th><th>0.3662</th><th>3.662</th></loq<> | Total | | | 0.3662 | 3.662 |

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



Infinite Chemical Analysis Labs 8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-0000047-LIC

osh M Swider

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Josh Swider Lab Director, Managing Partner 09/19/2022

This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



ICAL ID: 20220916-003 Sample: CA220916-016-085 cbdMD-TIN-CM-6000-FS Strain: cbdMD-TIN-CM-6000-FS Category: Ingestible

cbdMD Lic # 10130 Perimeter Pkwy Charlotte, NC 28216

Lic #

2 of 3

Batch#: 22571T6.1 Batch Size Collected: Total Batch Size: Collected: 09/19/2022; Received: 09/19/2022 Completed: 09/19/2022

Residual Solvent Analysis

| Category 1 | | LOQ | LOD | Limit | Status | Category 2 | | LOQ | LOD L | imit Statu | s Category 2 | | LOQ | LOD | Limit | Status |
|---------------------|------------|--------------|----------------|-----------|--------|---------------|--|----------------|-------------------|-----------------|---------------|------------|---------------|--------------|-------------|--------|
| 1,2-Dichloro-Ethane | µg/g ND | µg/g 0.31 | µg/g 0.1032 | µg/g 1 | Pass | Acetone | µg/g ND | µg/g 51.246 | µg/g 2.572 5 | ug/g 000 Pas | s n-Hexane | µg/g ND | µg/g 0.931 | μg/g 0.31 | µg/g 290 | Pass |
| Benzene | ND (| 0.088 | 0.023 | 1 | Pass | Acetonitrile | ND | 0.798 | 0.266 | 410 Pas | s Isopropanol | 337.8 | 5.037 | 1.679 | 5000 | Pass |
| Chloroform | ND (|).174 | 0.058 | 1 | Pass | Butane | ND | 4.849 | 1.114 5 | 000 Pas | s Methanol | ND | 4.665 | 1.555 | 3000 | Pass |
| Ethylene Oxide | ND (|).757 | 0.252 | 1 | Pass | Ethanol | 1459.5 | 40.542 | 13.513 5 | 000 Pas | s Pentane | ND | 17.255 | 5.752 | 5000 | Pass |
| Methylene-Chloride | ND (|).729 | 0.148 | 1 | Pass | Ethyl-Acetate | ND | 2.288 | 0.436 5 | 000 Pas | s Propane | ND | 26.11 | 8.703 | 5000 | Pass |
| Trichloroethene | ND | 0.19 | 0.063 | 1 | Pass | Ethyl-Ether | ND | 2.869 | 0.593 5 | 000 Pas | s Toluene | ND | 0.864 | 0.136 | 890 | Pass |
| - | | | | | | Heptane | <loq< th=""><th>6.548</th><th>2.183 5</th><th>000 Pas</th><th>s Xylenes</th><th>ND</th><th>0.857</th><th>0.241</th><th>2170</th><th>Pass</th></loq<> | 6.548 | 2.183 5 | 000 Pas | s Xylenes | ND | 0.857 | 0.241 | 2170 | Pass |

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

Heavy Metal Screening

| | | LOQ | LOD | Limit | Status |
|---------|------|-------|-------|-------|--------|
| | μg/g | µg/g | µg/g | µg/g | |
| Arsenic | ND | 0.009 | 0.003 | 1.5 | Pass |
| Cadmium | ND | 0.002 | 0.001 | 0.5 | Pass |
| Lead | ND | 0.004 | 0.001 | 0.5 | Pass |
| Mercury | ND | 0.014 | 0.005 | 3 | Pass |

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

| | Limit | Result | Status |
|-----------------------|-------|--------------|--------|
| | CFU/g | CFU/g | |
| Aspergillus flavus | | NR | NT |
| Aspergillus fumigatus | | NR | NT |
| Aspergillus niger | | NR | NT |
| Aspergillus terreus | | NR | NT |
| STEC | | Not Detected | Pass |
| Salmonella SPP | | Not Detected | Pass |

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



Infinite Chemical Analysis Labs

8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-0000047-LIC

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www.confidentcannabis.com

09/19/2022

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ICAL ID: 20220916-003 Sample: CA220916-016-085 cbdMD-TIN-CM-6000-FS Strain: cbdMD-TIN-CM-6000-FS Category: Ingestible cbdMD Lic # 10130 Perimeter Pkwy Charlotte , NC 28216

Lic #

QA SAMPLE - INFORMATIONAL ONLY

3 of 3

Batch#: 22571T6.1 Batch Size Collected: Total Batch Size: Collected: 09/19/2022; Received: 09/19/2022 Completed: 09/19/2022

Chemical Residue Screening

| Category 1 | | LOQ | LOD | Status |
|------------------|------|-------|-------|--------|
| | µg/g | µg/g | µg/g | |
| Aldicarb | ND | 0.030 | 0.009 | Pass |
| Carbofuran | ND | 0.030 | 0.002 | Pass |
| Chlordane | ND | 0.075 | 0.025 | Pass |
| Chlorfenapyr | ND | 0.075 | 0.025 | Pass |
| Chlorpyrifos | ND | 0.030 | 0.008 | Pass |
| Coumaphos | ND | 0.030 | 0.005 | Pass |
| Daminozide | ND | 0.033 | 0.011 | Pass |
| Dichlorvos | ND | 0.030 | 0.007 | Pass |
| Dimethoate | ND | 0.030 | 0.007 | Pass |
| Ethoprophos | ND | 0.030 | 0.004 | Pass |
| Etofenprox | ND | 0.030 | 0.006 | Pass |
| Fenoxycarb | ND | 0.030 | 0.006 | Pass |
| Fipronil | ND | 0.030 | 0.008 | Pass |
| Imazalil | ND | 0.030 | 0.009 | Pass |
| Methiocarb | ND | 0.030 | 0.005 | Pass |
| Mevinphos | ND | 0.032 | 0.011 | Pass |
| Paclobutrazol | ND | 0.030 | 0.006 | Pass |
| Parathion Methyl | ND | 0.024 | 0.008 | Pass |
| Propoxur | ND | 0.030 | 0.005 | Pass |
| Spiroxamine | ND | 0.030 | 0.003 | Pass |
| Thiacloprid | ND | 0.030 | 0.002 | Pass |

| 5 | Mycotoxins | | LOQ | LOD | Limit | Status |
|---|------------------|-------|-------|-------|-------|--------|
| _ | | µg/kg | µg/kg | µg/kg | µg/kg | |
| 5 | B1 | ND | 6.2 | 2.05 | | Tested |
| 5 | B2 | ND | 5 | 1.63 | | Tested |
| 5 | G1 | ND | 5.38 | 1.77 | | Tested |
| 5 | G2 | ND | 5 | 1.02 | | Tested |
| 5 | Ochratoxin A | ND | 16.41 | 5.42 | 20 | Pass |
| 5 | Total Aflatoxins | ND | | | 20 | Pass |
| | | | | | | |

| | | | | | C 1 1 | | | | | | C 1 1 |
|---------------------|------|-------|-------|-------|--------------|-------------------------|---|-------|-------|-------|---------------|
| Category 2 | | LOQ | LOD | Limit | Status | Category 2 | | LOQ | LOD | Limit | <u>Status</u> |
| | µg/g | µg/g | µg/g | µg/g | _ | | µg/g | µg/g | µg/g | µg/g | _ |
| Abamectin | ND | 0.039 | 0.013 | 0.3 | Pass | Kresoxim Methyl | ND | 0.030 | 0.007 | 1 | Pass |
| Acephate | ND | 0.063 | 0.021 | 5 | Pass | Malathion | ND | 0.030 | 0.005 | 5 | Pass |
| Acequinocyl | ND | 0.035 | 0.011 | 4 | Pass | Metalaxyl | <loq< th=""><th>0.030</th><th>0.003</th><th>15</th><th>Pass</th></loq<> | 0.030 | 0.003 | 15 | Pass |
| Acetamiprid | ND | 0.030 | 0.006 | 5 | Pass | Methomyl | ND | 0.030 | 0.006 | 0.1 | Pass |
| Azoxystrobin | ND | 0.030 | 0.003 | 40 | Pass | Myclobutanil | ND | 0.030 | 0.007 | 9 | Pass |
| Bifenazate | ND | 0.030 | 0.005 | 5 | Pass | Naled | ND | 0.030 | 0.005 | 0.5 | Pass |
| Bifenthrin | ND | 0.030 | 0.006 | 0.5 | Pass | Oxamyl | ND | 0.030 | 0.009 | 0.3 | Pass |
| Boscalid | ND | 0.030 | 0.007 | 10 | Pass | Pentachloronitrobenzene | ND | 0.054 | 0.018 | 0.2 | Pass |
| Captan | ND | 0.358 | 0.120 | 5 | Pass | Permethrin | ND | 0.030 | 0.002 | 20 | Pass |
| Carbaryl | ND | 0.030 | 0.004 | 0.5 | Pass | Phosmet | ND | 0.030 | 0.005 | 0.2 | Pass |
| Chlorantraniliprole | ND | 0.030 | 0.006 | 40 | Pass | Piperonyl Butoxide | ND | 0.030 | 0.006 | 8 | Pass |
| Clofentezine | ND | 0.030 | 0.005 | 0.5 | Pass | Prallethrin | ND | 0.055 | 0.018 | 0.4 | Pass |
| Cyfluthrin | ND | 0.056 | 0.019 | 1 | Pass | Propiconazole | ND | 0.037 | 0.012 | 20 | Pass |
| Cypermethrin | ND | 0.044 | 0.015 | 1 | Pass | Pyrethrins | ND | 0.030 | 0.002 | 1 | Pass |
| Diazinon | ND | 0.030 | 0.009 | 0.2 | Pass | Pyridaben | ND | 0.030 | 0.005 | 3 | Pass |
| Dimethomorph | ND | 0.030 | 0.009 | 20 | Pass | Spinetoram | ND | 0.030 | 0.003 | 3 | Pass |
| Etoxazole | ND | 0.030 | 0.003 | 1.5 | Pass | Spinosad | ND | 0.030 | 0.003 | 3 | Pass |
| Fenhexamid | ND | 0.030 | 0.008 | 10 | Pass | Spiromesifen | ND | 0.030 | 0.005 | 12 | Pass |
| Fenpyroximate | ND | 0.030 | 0.005 | 2 | Pass | Spirotetramat | ND | 0.030 | 0.006 | 13 | Pass |
| Flonicamid | ND | 0.046 | 0.015 | 2 | Pass | Tebuconazole | ND | 0.030 | 0.009 | 2 | Pass |
| Fludioxonil | ND | 0.048 | 0.016 | 30 | Pass | Thiamethoxam | ND | 0.030 | 0.006 | 4.5 | Pass |
| Hexythiazox | ND | 0.031 | 0.010 | 2 | Pass | Trifloxystrobin | ND | 0.030 | 0.002 | 30 | Pass |
| Imidacloprid | ND | 0.030 | 0.009 | 3 | Pass | | | | | | |

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



Infinite Chemical Analysis Labs 8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-0000047-LIC

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Josh Swider Lab Director, Managing Partner 09/19/2022

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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 02/23/2022

SAMPLE NAME: cbdMD 750mg Full Spectrum Gummies

Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

SAMPLE DETAIL

Batch Number: 80245-1 Sample ID: 220222N010

DISTRIBUTOR / TESTED FOR

Business Name: cbdMD License Number:

Address:

Date Collected: 02/22/2022 Date Received: 02/22/2022 Batch Size: Sample Size: 1.0 units Unit Mass: 101.265 grams per Unit Serving Size: 3.3755 grams per Serving







Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 35.645 mg/unit

Total CBD: 774.272 mg/unit

Sum of Cannabinoids: 841.613 mg/unit

Total Cannabinoids: 841.613 mg/unit

 $\begin{array}{l} \label{eq:constraint} \end{tabular} Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: Total THC = <math display="inline">\Delta^0.THC$ + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877)) \\ \\ \end{tabular} Sum of Cannabinoids = $\Delta^0.THC$ + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + $\Delta^8.THC$ + CBL + CBN Total Cannabinoids = $(\Delta^0.THC+0.877^*THCa)$ + (CBD+0.877*CBGa) + (CBDV+0.877*CBGa) + (CBDV+0.877*CBCa) + (CBDV+0.877*CBCa) + $\Delta^8.THC$ + CBL + CBN \\ \\ \end{array}

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications. References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

Mithalffre

oved by: Josh Wurzer, President Appi

te: 02/23/2022

LQC verified by: Michael Pham Date: 02/23/2022

SC Laboratories California LLC. | 100 Pioneer Street, Suite E, Santa Cruz, CA 95060 | 866-435-0709 | sclabs.com | C8-0000013-LIC | ISO/IES 17025:2017 PJLA Accreditation Number 87168 © 2022 SC Labs all rights reserved. Trademarks referenced are trademarks of either SC Labs or their respective owners. MKT0002 REV9 2/22 CoA ID: 220222N010-001 Summary Page



Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS



CBDMD 750MG FULL SPECTRUM GUMMIES | DATE ISSUED 02/23/2022

Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 35.645 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 774.272 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 841.613 mg/unit

 $\begin{array}{l} \mbox{Total Cannabinoids} (\mbox{Total THC}) + (\mbox{Total CBD}) + \\ (\mbox{Total CBG}) + (\mbox{Total THCV}) + (\mbox{Total CBC}) + \\ (\mbox{Total CBDV}) + \Delta^8 \mbox{-THC} + \mbox{CBL} + \mbox{CBN} \end{array}$

TOTAL CBG: 6.582 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 17.013 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 4.354 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 02/23/2022

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---------------------|-------------------|-----------------------------------|---|---------------------|
| CBD | 0.004 / 0.011 | ±0.2852 | 7.646 | 0.7646 |
| ∆ ⁹ -THC | 0.002/0.014 | ±0.0193 | 0.352 | 0.0352 |
| CBC | 0.003 / 0.010 | ±0.0054 | 0.168 | 0.0168 |
| CBG | 0.002 / 0.006 | ±0.0032 | 0.065 | 0.0065 |
| CBDV | 0.002/0.012 | ±0.0018 | 0.043 | 0.0043 |
| CBN | 0.001/0.007 | ±0.0011 | 0.037 | 0.0037 |
| CBL | 0.003/0.010 | N/A | <loq< th=""><th><loq< th=""></loq<></th></loq<> | <loq< th=""></loq<> |
| ∆ ⁸ -THC | 0.01/0.02 | N/A | ND | ND |
| THCa | 0.001 / 0.005 | N/A | ND | ND |
| THCV | 0.002/0.012 | N/A | ND | ND |
| THCVa | 0.002/0.019 | N/A | ND | ND |
| CBDa | 0.001/0.026 | N/A | ND | ND |
| CBDVa | 0.001/0.018 | N/A | ND | ND |
| CBGa | 0.002/0.007 | N/A | ND | ND |
| CBCa | 0.001/0.015 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 8.311 mg/g | 0.8311% |

Unit Mass: 101.265 grams per Unit / Serving Size: 3.3755 grams per Serving

| Δ^{9} -THC per Unit | 35.645 mg/unit |
|---------------------------------|-------------------|
| Δ^9 -THC per Serving | 1.188 mg/serving |
| Total THC per Unit | 35.645 mg/unit |
| Total THC per Serving | 1.188 mg/serving |
| CBD per Unit | 774.272 mg/unit |
| CBD per Serving | 25.809 mg/serving |
| Total CBD per Unit | 774.272 mg/unit |
| Total CBD per Serving | 25.809 mg/serving |
| Sum of Cannabinoids per Unit | 841.613 mg/unit |
| Sum of Cannabinoids per Serving | 28.054 mg/serving |
| Total Cannabinoids per Unit | 841.613 mg/unit |
| Total Cannabinoids per Serving | 28.053 mg/serving |