Dear Senator Feldman and members of the Senate Finance Committee,

This written testimony is put forward on behalf of the Maryland Healthy Alternatives Association. Our association represents businesses from every segment of the hemp industry and is committed to protecting the public's access to safe alternatives to prescription medications.

Firstly we want to thank you for your interest in the issues laid out in SB788. We look forward to working with you to establish a regulatory framework for hemp products that serves to protect consumer safety and the continued growth of the Maryland hemp industry. We are submitting this letter to request an amendment to the language of the study in order to have our association added as an equal contributor to the working group.

We agree that the hemp industry as a whole is in need of a regulatory framework that focuses on age gating and testing standards and believe that we can be of assistance in creating that framework as we have already been operating responsibly in these areas for years.

The language in the original draft of this legislation could require all consumers of these products to retain a medical marijuana card and recommendation to be able to purchase these products regardless of personal circumstances that prevent the procurement of the MMCC card. Additionally this bill could only allow these products to be sold at Maryland Medical Cannabis Dispensaries and could in effect place all current retailers out of business as well as totally remove the public's access to these products as medical marijuana dispensaries have no interest in the sale of hemp-derived products.

We want to be able to both ensure public safety while protecting this industry's ability to provide safe access to these products that help people improve their quality of life. Consumers of the products in question are much different from the average medical marijuana patient. These consumers are attracted to the fact that these products are significantly less potent than medical marijuana products. Delta 8 THC is 40-50% less psychoactive than medical marijuana and that is the primary reason why people purchase them. The average consumer of Delta 8 is more in line with the traditional CBD consumer than they are with a medical marijuana patient. Additionally there are many circumstances that prevent Marylanders from acquiring an MMCC card. Many employers do not allow their staff to obtain an MMCC card; many of these people work in healthcare and unions, and others who do not desire to have their medical marijuana status be made public. Additionally and most importantly there are a massive group of

these consumers who have no desire to be medical marijuana patients. Many of these people do not have the funds or the capability to acquire a medical marijuana card and could immediately lose their access to the products that have helped them improve the quality of their daily lives. We as producers and retailers of these products are a resource to these underserved communities. They are wonderful people and they come from all walks of life. Here are just 2 of the many customer testimonials we received when this legislation was first introduced. These 2 testimonials can serve as a snapshot of so many other Marylanders and their reliance on these hemp products.

My name is Hillary and I am a 29 year old mom, wife and lupus warrior. I was put on Oxycodone by a pain management doctor when I was in my early 20s due to the excessive damage to my muscles, joints, and nerves from my health issues. I have POTS, degenerative disc disease, small fiber neuropathy, Sjögren's syndrome, PTSD, generalized anxiety disorder and major depressive disorder that have all contributed to being disabled for the last 10 years. I stayed on various opioids 3 to 4 times a day for 7 years, even while pregnant, just to survive every day and be able to walk around my house. I was miserable and feared waking up and facing the pain every day.

In the summer of 2021 I decided I wanted to try living with the pain without opioids before my 30th birthday and started researching CBD. I came across Embrace Wellness CBD and it was close by so I visited their store. They were able to educate me on the various products and options I had. I decided to try their Delta-8 Hemp Carts even though I had not used any cannabis products in 10 years. I felt confident in their testing, ability to provide the third party test results, and the staff's knowledge when I left.

Since using delta-8, I have been able to come off of opioids completely. I am currently 15 weeks without opioids of any kind because of the benefits delta-8 is able to provide me via businesses like Embrace. My liver enzymes are better because I'm not taking so many medications anymore to combat the pain; the delta-8 is actually allowing my liver to rest enough to heal. I sleep better, my muscles are not so tense and painful, and my mood is happy and uplifted now. Having open access to delta-8 has changed my life in the matter of 6 months!. I am not able to get a medical marijuana card because of my husband's job which is a shame and leaves me with minimal options to treat my chronic pain.

Pharmaceuticals can and do help, but there is a big problem with discrimination against chronic pain patients who need to use opioids to control their pain. Meanwhile, there are wonderful, educated, knowledgeable people able and willing to help bring more natural hemp options to those of us with pain, anxiety, depression, etc. Delta 8 can help us fight pain and anxiety without being high, without poisoning our bodies and without risking addiction. Please do not take away one of the only legal natural alternatives we have!

Hillary C.

### Delegate Pena-Melnyk, and Senator Feldman

My name is Frank and I am 75 years old. I reside in Eldersburg, Maryland and am a retired limousine driver. I worked for many years as a truck driver and suffered a terrible work-related back injury dating back nearly 20 years. I have had multiple back surgeries and was on Hydrocodone for decades. I began wanting to get off of the pain medication about a year ago as I knew it was not good for my body, specifically my liver, and in my older age I knew I could not continue to take these prescription drugs for much longer. I decided to guit taking the pills cold turkey which was not easy. As a result, due to horrible withdrawals from the Vicodin, I had been unable to sleep at all. I began looking into CBD for help with my pain and to help me sleep but it was not helping much. Then I visited Embrace CBD Wellness Center in Glen Burnie and was introduced to Delta 8. I was thoroughly educated by the staff there and was shown a lab test that showed that it was a clean product and that put me at ease. I'm an older guy so all of this is very new to me but this product has been the only thing that has allowed me to get a good night's sleep. At first I was extremely skeptical, and to be honest, was totally against it as I am not someone who ever wanted to use anything even remotely related to THC. I do not like marijuana, I never have, but these delta 8 products work. I am finally able to sleep which has drastically improved my life.

As a retiree on a fixed income, I cannot afford a medical marijuana license and am also quite afraid of using marijuana as it will be too strong for me. I do not like smoking and I am too old to walk around high. The intoxication I feel from delta 8 is very mild and manageable for me as someone with zero experience with any products like these. I have grown to rely on this product for pain management and sleep. Please do not take away my access to these products as they are the only thing keeping me off of opiates and helping me sleep.

Sincerely,

#### Frank P.

The Senator's newsletter states that these products are being sold to minors without any testing requirements or restrictions and there is certainly some truth to that. We appreciate that the Senator has shown interest in fixing this problem. Responsible and ethical companies like the ones represented by our association have held ourselves to the highest possible standards as it relates to testing and quality control. We use DEA registered 3rd party laboratories to do full panel lab tests on all of our raw ingredients and finished products. We go beyond the MMCC requirements by using food grade toxicology labs to do additional foreign materials analysis and reagent testing which is in addition to the potency, mycotoxins, heavy metals, pesticides, and residual solvents analysis. Hemp industry professionals take testing very seriously and go far beyond the MMCC. The 3 MMCC approved labs do not have the capacity to be able to do the type

of testing that the hemp industry does and as a result this bill would not have achieved its stated purpose. We have set the testing standards, we have the model for the best possible regulation of these products. We are just asking to be let into the conversation. We can help our representatives push this industry forward while protecting the public, especially the children, from harm due to untested and fraudulent products. We agree that we need to keep these products out of the hands of minors, but the stores represented by our association have an age requirement of 21 to enter and make purchases. These products being sold in gas stations and convenience stores are contributing to these products landing into the hands of minors. There is a better way to go about this that would not cause our industry so much loss and inflict so much unnecessary damage on its participants. Simple. We must stop allowing irresponsible retailers to sell it in places that minors have unfettered access to and allow businesses who are responsible to continue to operate by selling these federally legal and fully compliant, thoroughly tested products to those 21 and older to be able to use as alternatives to prescription medications and to improve the quality of their lives. Again, we want regulation, we just want it the right way. Below you will see an example of the type of testing that the hemp industry has the capacity to do.

First you will find chain of custody documents that track and verify product origin, then a lab test for the hemp grown to be extracted to cbd, a lab test for the cbd extracted and a full panel lab test for the Delta 8 made from the cbd.



1/13/2021

### CHAIN OF CUSTODY

This letter certifies that Batch No. 817-12-1 of Delta-8 oil has been processed from hemp and CBD Isolate that complies with all applicable laws. The test results for both the hemp and CBD use to make Batch No. 817-12-1 are attached to this letter.



# Certificate of Analysis

Powered by Confident Cannabis



Juniper Analytics LLC 1334 NE 2nd St Bend, OR (541) 382-3796 http://www.juniperanalyticsllc.com ORELAP: License # 4101-001



Sample: 20JA0873.01 Hemp Potency - Not for Compliance -CAN, MC

Report Date: 5/27/2020 Intake Date: 05/21/2020 Harvest/Prod. Date:

METRC Sample: ; METRC Batch #: ; External Batch #: ; Analytical Batch #: PO-2020-05-22-02



<LOQ

Total THC %

8.038%

Total CBD %

<LOQ

Total THC mg/g

80.38 mg/g

Total CBD mg/g

Pesticides

Not Tested

Water Activity

Not Tested

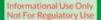
Moisture Content

Pass

See attached sheets for details

This product has been tested by Juniper Analytics LLC. using valid testing methologies and a quality system as required by state law. Values reported relate only to the product tested and batched under the batch number identified above. Juniper Analytics LLC makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected level of any compounds reported herein. This Certificate must not be altered, and shall not be reproduced except in full, without the written approval of Juniper Analytics LLC.

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# Certificate of Analysis

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Sample: 20JA0873.01 Hemp Potency - Not for Compliance -CAN, MC

Report Date: 5/27/2020 Intake Date: 05/21/2020 Harvest/Prod. Date: Potency Analysis Date: 05/26/2020

METRC Sample: ; METRC Batch #: ; External Batch #: ; Analytical Batch #: PO-2020-05-22-02



#### Cannabinoid Profile

<LOQ

Total THC

<LOQ

Total THC mg/g

8.038%

Total CBD

80.38 mg/g

Total CBD mg/g

Analyte	LOQ	Mass	Mass	
	mg/g	%	mg/g	
THCa	1.050	0.317	3.17	
Δ9-THC	1.050	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Δ8-THC	1.050	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
THCV	1.050	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBDa	1.050	8.953	89.53	
CBD	1.050	0.187	1.87	
CBN	1.050	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBGa	1.050	0.244	2.44	
CBG	1.050	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBC	1.050	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Total		9.700	97.00	

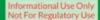
QC Batch ID: PO-2020-05-22-02
Total THC = THCa \* 0.877 + Δ9-THC
Total CBD = CBDa \* 0.877 + CBD
Instrument-HPUC/DAD. Method: JA-Potency-Proprietary; LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample;
Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Potency Analysis (Oregon Compliance Standard OAR 333-007-0430).



QA Review

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# Certificate of Analysis

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Sample: 20JA0873.01 Hemp Potency - Not for Compliance -CAN, MC

Report Date: 5/27/2020 Intake Date: 05/21/2020 Harvest/Prod. Date: Moisture Analysis Date: 05/26/2020 Water Activity Analysis Date:

METRC Sample: ; METRC Batch #: ; External Batch #:

Moisture Content / Water Activity

# **Pass**

10.45%

Moisture

# **Not Tested**

NaNaw

Limit: 0.65 aw

Water Activity

Instrument: Aqua Lab Water Activity Meter, Water Activity and Moisture Content (Oregon Compliance Standard OAR 333-007-0420) Instrument: Sartorius MA37 Electronic Moisture Analyzer

QA Review

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### ORELAP Cert No. 4092-005 OLCC No. 1002158CD2E

#### Oregon Compliant Marijuana Potency Analysis by High Performance Liquid Chromatography

Testing Accreditation #: 4092-005

Test Certificate #: 127371-001

Client Name, Sample Details

Sample: isolate License: Type: Extract Method: FE04U HPLC-UV Test Conditions Prepsheet ID#: MIP201022 Scale: XS205-OR1

Analyst HRM Technician TMR Sample ID#: 127371 Lot #: -20-70i Batch #: 127371

Harvest/Process Date: 10/26/2020 Date Received: 10/26/2020 Test Date: 10/27/2020







Test Compounds	THC	THCA	CBD	CBDA	CBN	CBG	СВС	THCV	CBDV	Total Cannabinoids*	Total THC	Total CBD	Calc Max Total Cannabinoids*
Amount (%)	N/D	N/D	110.89	0.26	N/D	N/D	N/D	N/D	0.45	111.60	0.00	111.12	111.12
Amount (mg/g)	N/D	N/D	1108.89	2.59	ND	N/D	N/D	N/D	4.53	1116.01	0.00	1111.16	1115.69
Amount per Serving (mg)	N/D	ND	N/D	N/D	N/D	N/D	N/D	ND	N/D	0.00	Serving Size~ (g):		0.00
LOQ (mg/g)	2	2	2	2	2	2	2	2	2		%Decarb.	THC	CBD
±%RPD	0.13	0.07	0.81	0.77	1.35	1.49	0.51	0.82	0.85			N/A	100

LOQ = Limit of Quantifation; %RPD = Relative Percent Deviation; %RSD = Relative Standard Deviation; N/D = Not Detected \*Designates values that are not currently included in the accredited scope of Iron Laboratories.

\*\*\* Designates tests that use the method FE-45. FE-45 is performed using AOAC 966.02 and 32.004-32.009. FE-45 has relative expanded (k=2) uncertainties of 1.098% for moisture, 1.754% for water activity for unprocessed plant materials, and 13.102% for water activity for infused products. Vitamin E acetate analysis has a relative expanded (k=2) uncertainty of 18.614%.

Total THC and CBD is the calculated sum of THC or CBD and the amount of THC or CBD derived from THCA or CBDA, respectively. These values are calculated by applying a molar correction factor of 0.877 to the THCA or the CBDA value. Calc Max Total Cannabinoids is the sum of Total THC, Total CBD, CBN, CBG, CBC, THCV, and CBDV. %Decarb. THC and CBD refer to the percentage of THC or CBD relative to THCA or CBDA, respectively.

SOP FE-01-OR9 was used in accordance with OAR 333-007 for sampling. All marijuana items are sampled and tested in accordance with OAR 333-007-0300 to 333-007-490 and OAR 333-064-0100 to 333-064-0110.

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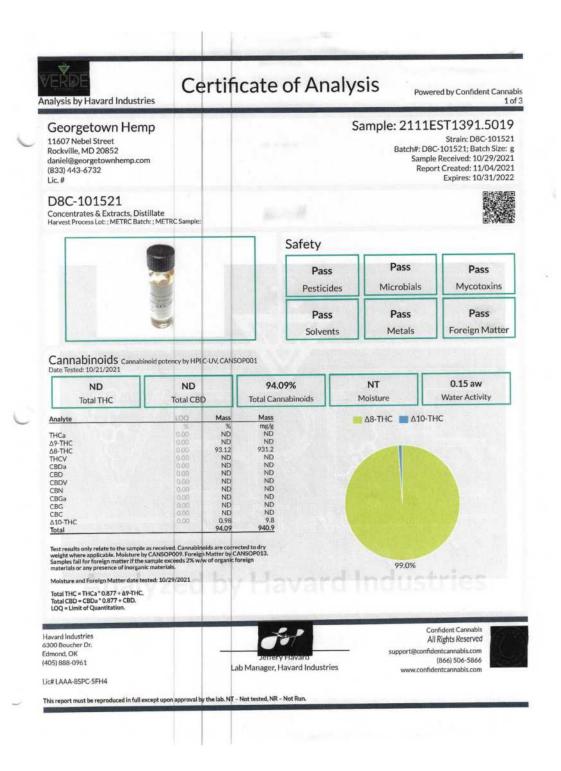
Terry Rabinowitz, Quality Manager

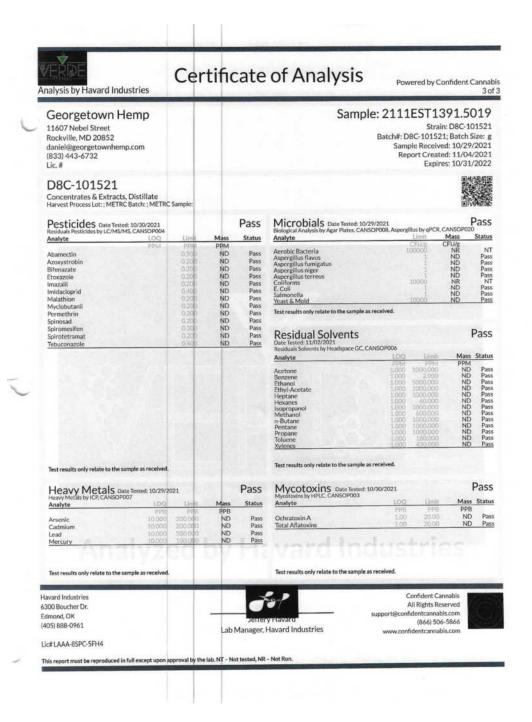
Himashi Mead, Technical Manager

Iron Labs Oregon complies with 2009 TNI Environmental Laboratory Standards.

Tested by Iron Laboratories Oregon, 71 Centennial Loop Suite D Eugene, OR 97401

Full panel 3rd party lab test done by a DEA registered 3rd party laboratory.





And lastly and most importantly you will see that we take an extra step beyond the MMCC in contracting a food grade toxicology lab to do additional reagent and toxicity testing. MMCC labs cannot and do not take this necessary step. This is part of the model that we are advocating for and will help to create if our amendment is accepted to allow us to be a coequal member of this study.

Call: 1-866-889-3410 or email: carlsonco@comcast.net

Client Carlson Company LLC Addr. 10343 Federal Blvd Ste J-401 Westminster, CO 80260 ne: (710) 531-6666 oct Kaily Bissani

First Name: MC Test Name: Unknown Chemicals and Toxins
ID N/A Profile OCC9998

Specid: MC Ace #: 210850064 Collected: 3/23/2021 Received: 3/20/2021 2:30 PM Released: 3/30/2021 4:31 PM Status: Complete

Media: Other Reason: STAT

Drug/Test	Lab Result	Confirma Value	Screen Cutoff	Confirm Cutoff	Confirm Type	
UNKNOWN CHEMICALS AND TOXINS	See Test Comm	erd Below	Į.		4	
Test Comment:	-					
Description Amber Waxy Substance						
Findings:						
No Chemicals or Toxins Detected						
Screen Analysis by EIA Analysis by LCMS/MS Analysis by GCMS, mass spectral data compar Institute of Science and Technology (NIST) ma	ed with American ass spectrometry lib	Academy of Forensic oraries.	Sciences(AAFS	) and Wiley/ N at	ional	

This test is developed and validated by Expertox Laboratory. This is not a FDA approved test

The preceding result has been reviewed and is certified to be as reported. Jasmine Cox (Certifying Scientist)

It is important to note that there are many products being sold in places like C-stores and gas stations that are marketed towards children as well as products that are overstating the psychoactivity of Delta 8, however responsible sellers like the ones represented by our association do not participate in selling products like these. Below you will see an example of some of these products and then some of the products sold by responsible retailers.









Now here are some products produced by companies representative of our association.







It is important to draw these distinctions as we totally believe in regulation not just of the product itself, but also its packaging and presentation. We would like to be an ally and a resource to the legislature, the MMCC and the Dept. of Agriculture as we believe wholeheartedly that responsible hemp businesses and the medical cannabis industry can, and should, coexist.

Unlike the Maryland Medical Cannabis Industry the Maryland Hemp industry is not confined to the state of Maryland and this legislation could upend our industry in ways that can have a negative effect on the national economy. There are hundreds of manufacturers both in and out of our state who have a stake in Maryland and would be negatively affected by the passage of this type of legislation. The reality is that Delta 8 THC is currently propping up much of the hemp industry as a whole and the fallout from bills like these would be felt across the country. There is a better way forward, one that we hope could set the standard for many other states to follow. We have already drafted a comprehensive regulatory framework that we believe could serve as the model that would allow Maryland to lead the way in ensuring the continued growth of the hemp industry while simultaneously protecting the consumer. This framework includes everything from establishing an oversight commission, to setting the testing standards, licensing, penalties, age-gating, and packaging requirements. If allowed to participate in this study we can offer invaluable insight to help this working group achieve its goal.

The Maryland marijuana dispensary owners have been lobbying against the hemp industry's ability to participate in the free market since the passage of the 2018 agriculture improvement act. No hemp industry professionals were consulted in this matter. Passing the type of legislation that was originally introduced would put responsible companies like ours out of business and cost the jobs of thousands of people. The hemp industry is a large industry. The Maryland tax contribution by hemp businesses dwarfs that of the medical marijuana dispensaries and even that loss of revenue pales in comparison to the pain and suffering that this would cause to those of us who have been doing the right things in compliance with all state and federal laws. Make no mistake, this type of bill would end the Maryland Hemp Industry as we know it.

We were graciously invited by Delegate Pena-Melnyk and Senator Feldman to participate in this study and we are excited for that opportunity and we ask for an amendment to the language of this study to include our association as an equal contributor to the working group. We truly believe that our input in all matters relating to this topic would help this study achieve its stated purpose.

Thank you for your consideration.

Maryland Healthy Alternatives Association

Nicholas Patrick

**Daniel Simmonds** 

Eric Fritschler

