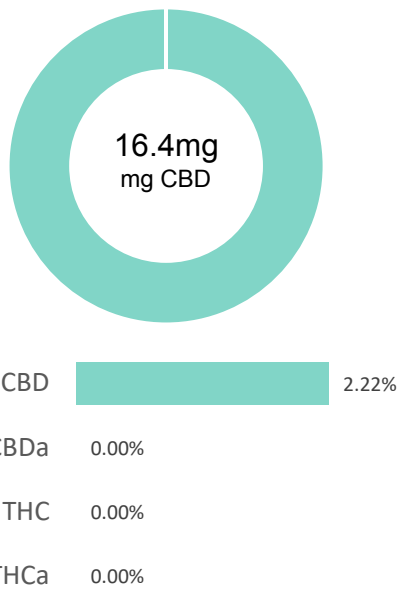


Stay Sharp

Batch ID:	0030	Test ID:	7839094.0019
Reported:	18-Jun-2019	Method:	TM14
Type:	Unit	Lot #:	PP00008 Be Calm // PP00007 Stay Sharp
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.30	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.15	0.00	0.0
Cannabidiolic acid (CBDA)	0.23	0.00	0.0
Cannabidiol (CBD)	0.13	16.40	22.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.16	0.00	0.0
Cannabinolic Acid (CBNA)	0.41	0.00	0.0
Cannabinol (CBN)	0.18	0.00	0.0
Cannabigerolic acid (CBGA)	0.26	0.00	0.0
Cannabigerol (CBG)	0.15	2.70	3.7
Tetrahydrocannabivarinic Acid (THCVA)	0.26	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.13	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.22	0.00	0.0
Cannabidivarin (CBDV)	0.12	0.00	0.0
Cannabichromenic Acid (CBCA)	0.22	0.00	0.0
Cannabichromene (CBC)	0.27	0.00	0.0
Total Cannabinoids		19.10	25.89
Total Potential THC**		0.00	0.00
Total Potential CBD**		16.40	22.23

NOTES:

of Servings = 1, Sample Weight=0.73768g

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)


* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

FINAL APPROVAL


Daniel Weidensaul
 18-Jun-2019
 1:05 PM
 PREPARED BY / DATE


Greg Zimpfer
 18-Jun-2019
 1:54 PM
 APPROVED BY / DATE

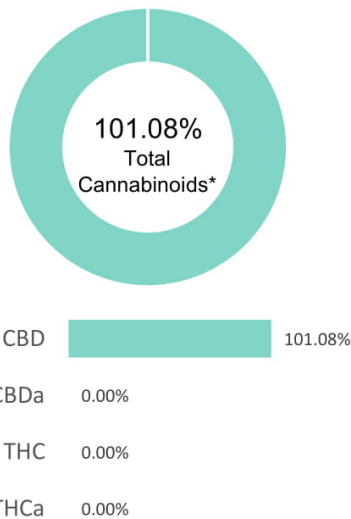
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Isolate 1905

Batch ID:	1905	Test ID:	6926130.0013
Reported:	13-Jun-2019	Method:	TM14
Type:	Concentrate	Lot #:	PP00008 Be Calm // PP00007 Stay Sharp
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.25	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.13	0.00	0.0
Cannabidiolic acid (CBDA)	0.25	0.00	0.0
Cannabidiol (CBD)	0.14	101.08	1010.8
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.14	0.00	0.0
Cannabinolic Acid (CBNA)	0.35	0.00	0.0
Cannabinol (CBN)	0.15	0.00	0.0
Cannabigerolic acid (CBGA)	0.22	0.00	0.0
Cannabigerol (CBG)	0.12	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.22	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.11	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.23	0.00	0.0
Cannabidivarin (CBDV)	0.13	0.00	0.0
Cannabichromenic Acid (CBCA)	0.19	0.00	0.0
Cannabichromene (CBC)	0.23	0.00	0.0
Total Cannabinoids		101.08	1010.80
Total Potential THC**		0.00	0.00
Total Potential CBD**		101.08	1010.80

NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877))$$

$$\text{and Total CBD} = \text{CBD} + (\text{CBDA} * (0.877))$$

FINAL APPROVAL


 Sam Smith
 13-Jun-2019
 1:59 PM

PREPARED BY / DATE


 Greg Zimpfer
 13-Jun-2019
 2:15 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

PHYTATECH™

M E T R I C S & S O L U T I O N S

879 Federal Blvd.
 Denver, CO 80204
 303-427-2379
 DOR#: 405R-00011 & 405-00008
 info@phytatech.com

Date Received: 06.17.2019 Lot #: PP00008 Be Calm
 Date Lab Test: 06.19.2019 PP00007 Stay Sharp
 Date Reported: 06.19.2019

Company Name:
 Company License: 403H-68779
 Sample Type: Concentrate

*ND: None Detected or below reportable threshold
 All data in the following table is in parts per million (ppm).

Sample	Sample	METRC #	Arsenic	Lead	Cadmium	Mercury
CBD Distillate	306891	1A40007 1267FA 8B00000 0138	ND	ND	ND	ND
CBD Isolate	306892	1A40007 1267FA 8B00000 0137	ND	ND	ND	ND

NOTES: The State of Colorado mandates the following levels for heavy metals in inhaled or audited products (nasal or MDI): Lead (< 0.5 ppm), Arsenic (< 0.2 ppm), Cadmium (< 0.2 ppm), and Mercury (< 0.1 ppm).

The State of Colorado mandates the following levels for heavy metals in topical or transdermal products: Lead (< 10 ppm), Arsenic (< 3 ppm), Cadmium (< 3 ppm), and Mercury (< 1 ppm).

The State of Colorado mandates the following levels for heavy metals in oral or audited products (rectal or vaginal) products: Lead (< 1 ppm), Arsenic (< 1.5 ppm), Cadmium (< 0.5 ppm), and Mercury (< 1.5 ppm).

This testing is for R&D purposes only.

PESTICIDES LABORATORY REPORT

Customer Name:		Product Name:	CBD Isolate
Customer License:	403H-68779	Product Type:	Concentrate
Batch Number:	1905	Sample ID:	306892
METRC Tag:	1A400071267FA8B000000137	Date Received:	06/17/2019
Instrument Name:	HPLC 1050	Test Date:	06/20/2019
Lot#:	PP00008 Be Calm PP00007 Stay Sharp	Report Date:	06/20/2019

PESTICIDE	ppb
■ Abamectin	ND*
■ Avermectin B1b	ND*
■ Azoxystrobin	ND*
■ Bifenazate	ND*
■ Etoxazole	ND*
■ Imazalil	ND*
■ Imidacloprid	ND*
■ Malathion A	ND*
■ Myclobutanil	ND*
■ Cis Permethrin	ND*
■ Trans Permethrin	ND*
■ Spinosyn A	ND*
■ Spinosyn D	ND*
■ Spiromesifen	ND*
■ Spirotetramat	ND*
■ Tebuconazole	ND*

Notes:

* None Reported (NR) because the compound exists at or below the detection limit of the method.

* None Detected (ND) because the compound was not detected.






Stephen Goldman
Laboratory Director



MICROBIAL LABORATORY REPORT

Customer Name:		Product Name:	CBD Isolate
Customer License:	403H-68779	Product Type:	Concentrate
Batch Number:	1905	Sample ID:	306892
METRC Tag:	1A400071267FA8B000000137	Date Received:	06/17/2019
Instrument Name:	Microbial Lab	Test Date:	06/21/2019
Lot#:	PP00008 Be Calm PP00007 Stay Sharp	Report Date:	06/21/2019

MICROBIAL CONTAMINATION *

	STEC	ND
	Salmonella	ND
	Total Yeast & Molds	ND cfu/g

Notes:

* None Detected (ND) because the compound was not detected.

* Microbial Contamination (SOPs 029, 030, 039)

* Sample Condition deemed acceptable upon receipt by PhytaTech. Sampling done by outside party.

* E. coli & Salmonella measured using qPCR. Total Yeast & Mold (TYMC) is a plating technique. The regulatory limit for TYMC is 10,000 cfu/g or 10⁴. CFU/g = colony forming unit per gram.



Stephen Goldman
Laboratory Director

