

BOTANICA TESTING INC. | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044 | HTTP://BOTANICATESTING.COM/

Client

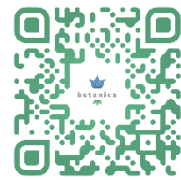


PLANT THERAPY®
100% PURE ESSENTIAL OILS


Website




Website



Lab



botanica

Label: CO2 hemp Extract

Client: | Plant Therapy
 Batch Number: | HC4101AUN
 Internal Number: | BT-345-12333
 Container: | Bottle
 Type: | Tincture

Botanica Testing Inc.

747 SW 2nd Ave, Suite 306 IMB 12
 Gainesville, FL 32601
 317-361-5044
 Adam@botanicatesting.com
 Dan@botanicatesting.com
<https://botanicatesting.com/>



Results: Bottle
 CBD (mg) - 30ml
2570.7

Conclusion:

X *Adam Christensen*
 Adam Christensen
 Chief Executive Officer

X *Daniel Morgan*
 Daniel Morgan Ph.D.
 Chief Scientific Officer




Total CBD
8.57%

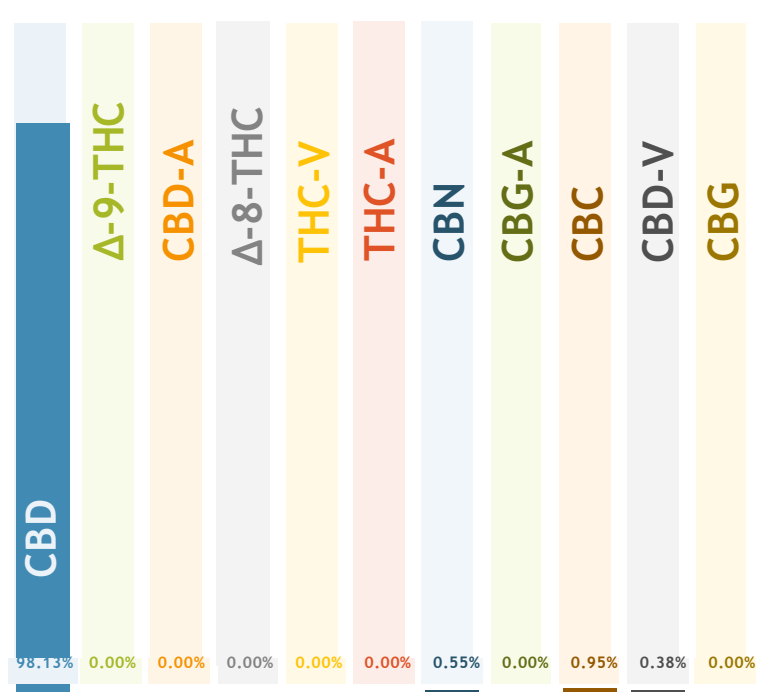
Total THC
0.00%



Cannabinoids By Weight:

Cannabinoids	mg/g	%
CBD	85.69	8.57%
Δ-9-THC	ND	ND
CBD-A	ND	ND
Δ-8-THC	ND	ND
THC-V	ND	ND
THC-A	ND	ND
CBN	0.48	0.05%
CBG-A	ND	ND
CBC	0.83	0.08%
CBD-V	0.33	0.03%
CBG	ND	ND
Total mg/g	87.33	

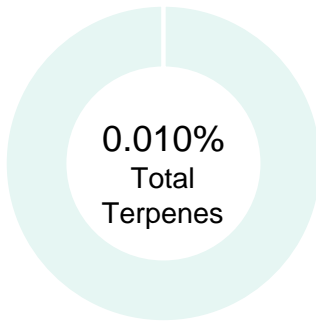
Percentage of Total Cannabinoids



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 - This report shall not be reproduced without written approval from Botanica Testing Inc..
 - Results relate only to the material and batch number analyzed.
 - Total THC = (THC-A*0.877)+THC Total CBD = (CBD-A*0.877)+CBD

HEMP DISTILLATE FULL PANEL

Batch ID:	HC0101	Test ID:	8283491.0026
Reported:	15-Dec-2019	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE




Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.010	0.1
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.000	0
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.000	0
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	0.010%	0.10

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.000%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.000%
alpha-Humulene	0.000%
(-)-alpha-Bisabolol	0.010%

 NOTES:
 0

FINAL APPROVAL

 Daniel Weidensaul 14-Dec-2019 2:59 PM	 Mike Branvold 15-Dec-2019 8:06 PM
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PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. 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

HEMP DISTILLATE FULL PANEL

Batch ID:	HC0101	Test ID:	3006208.0024
Reported:	17-Dec-2019	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	56 - 2600	ND*	Malathion	56 - 2600	ND*
Acetamiprid	56 - 2600	ND*	Metalaxyl	337 - 2600	ND*
Avermectin	337 - 2600	ND*	Methiocarb	56 - 2600	ND*
Azoxystrobin	56 - 2600	ND*	Methomyl	56 - 2600	ND*
Bifenazate	56 - 2600	ND*	MGK 264 1	56 - 2600	ND*
Boscalid	337 - 2600	ND*	MGK 264 2	337 - 2600	ND*
Carbaryl	56 - 2600	ND*	Myclobutanil	337 - 2600	ND*
Carbofuran	56 - 2600	ND*	Naled	337 - 2600	ND*
Chlorantraniliprole	56 - 2600	ND*	Oxamyl	56 - 2600	ND*
Chlorpyrifos	337 - 2600	ND*	Paclobutrazol	56 - 2600	ND*
Clofentezine	56 - 2600	ND*	Permethrin	337 - 2600	ND*
Diazinon	56 - 2600	ND*	Phosmet	56 - 2600	ND*
Dichlorvos	337 - 2600	ND*	Prophos	337 - 2600	ND*
Dimethoate	56 - 2600	ND*	Propoxur	337 - 2600	ND*
E-Fenpyroximate	337 - 2600	ND*	Pyridaben	337 - 2600	ND*
Etofenprox	337 - 2600	ND*	Spinosad A	56 - 2600	ND*
Etoxazole	337 - 2600	ND*	Spinosad D	337 - 2600	ND*
Fenoxycarb	56 - 2600	ND*	Spiromesifen	56 - 2600	ND*
Fipronil	337 - 2600	ND*	Spirotetramat	337 - 2600	ND*
Flonicamid	56 - 2600	ND*	Spiroxamine 1	56 - 2600	ND*
Fludioxonil	337 - 2600	ND*	Spiroxamine 2	56 - 2600	ND*
Hexythiazox	337 - 2600	ND*	Tebuconazole	56 - 2600	ND*
Imazalil	337 - 2600	ND*	Thiacloprid	56 - 2600	ND*
Imidacloprid	56 - 2600	ND*	Thiamethoxam	56 - 2600	ND*
Kresoxim-methyl	56 - 2600	ND*	Trifloxystrobin	337 - 2600	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL


 Sam Smith
 17-Dec-2019
 2:34 PM
 PREPARED BY / DATE


 Greg Zimpfer
 17-Dec-2019
 3:00 PM
 APPROVED BY / DATE

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HEMP DISTILLATE FULL PANEL

Batch ID:	HC0101	Test ID:	1838636.001
Reported:	15-Dec-2019	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU**NOTES:**Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected**FINAL APPROVAL**
Mara Miller
15-Dec-2019
5:51 PM
Mike Branvold
15-Dec-2019
7:58 PM

PREPARED BY / DATE

APPROVED BY / DATE

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HEMP DISTILLATE FULL PANEL

Batch ID:	HC0101	Test ID:	T000055260
Reported:	4-Feb-2020	Method:	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Unit		
Test:	Metals		


HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	0.06
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

FINAL APPROVAL

 Sam Smith
4-Feb-2020
10:01 AM

PREPARED BY / DATE

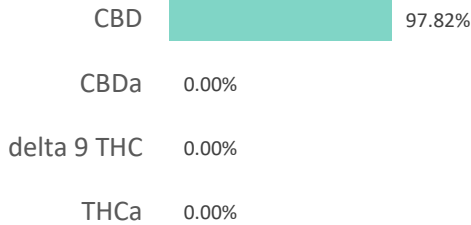
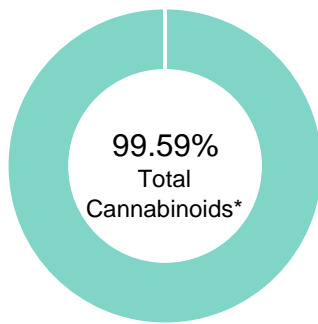
 Greg Zimpfer
4-Feb-2020
8:39 PM

APPROVED BY / DATE

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BROAD SPECTRUM THC FREE

Batch ID:	CC-925-2275	Test ID:	3804502.002
Reported:	9-Oct-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.20	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.10	0.00	0.0
Cannabidiolic acid (CBDA)	0.28	0.00	0.0
Cannabidiol (CBD)	0.16	97.82	978.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.11	0.00	0.0
Cannabinolic Acid (CBNA)	0.27	0.00	0.0
Cannabinol (CBN)	0.12	0.45	4.5
Cannabigerolic acid (CBGA)	0.17	0.00	0.0
Cannabigerol (CBG)	0.10	0.13	1.3
Tetrahydrocannabivarinic Acid (THCVA)	0.17	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.09	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.26	0.00	0.0
Cannabidivarin (CBDV)	0.14	0.39	3.9
Cannabichromenic Acid (CBCA)	0.15	0.00	0.0
Cannabichromene (CBC)	0.18	0.80	8.0
Total Cannabinoids		99.59	995.90
Total Potential THC**		0.00	0.00
Total Potential CBD**		97.82	978.20


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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and } \text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Ryan Weems
 9-Oct-2019
 9:39 AM

PREPARED BY / DATE



David Green
 9-Oct-2019
 12:22 PM

APPROVED BY / DATE

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