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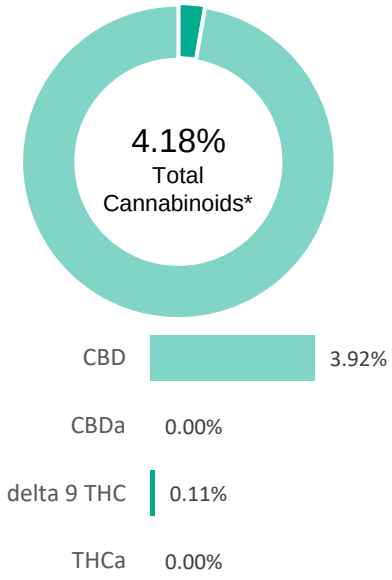
CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4472 Cherry Valley Tpke
Lafayette, NY 13084

Organic CBD Oil Original 1200mg

Batch ID:	T0013	**Test ID:**	T000116785
Type:	Concentrate	**Submitted:**	12/28/2020 @ 11:24 AM
Test:	Potency	**Started:**	12/28/2020
Method:	TM14	**Reported:**	12/29/2020

CANNABINOID PROFILE



Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.05	0.11	1.1
Cannabidiolic acid (CBDA)	0.02	0.05	ND	ND
Cannabidiol (CBD)	0.02	0.05	3.92	39.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.01	0.03	ND	ND
Cannabinol (CBN)	0.00	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.01	0.04	ND	ND
Cannabigerol (CBG)	0.00	0.01	0.07	0.7
Tetrahydrocannabivarinic Acid (THCVA)	0.01	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	0.02	ND	ND
Cannabidivarin (CBDV)	0.00	0.01	0.02	0.2
Cannabichromenic Acid (CBCA)	0.00	0.02	ND	ND
Cannabichromene (CBC)	0.00	0.02	0.06	0.6
Total Cannabinoids			**4.18**	**41.8**
Total Potential THC**			0.11	1.1
Total Potential CBD**			3.92	39.2

% = % (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))
***Analyte detected. Value below defined Limit of Quantitation.
ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL

Michele Gagnon
29-Dec-2020
12:07 PM
PREPARED BY / DATE

Ben Minton
29-Dec-2020
1:27 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

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CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH
4472 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

Organic CBD Oil Original 1200mg

Batch ID:	T0013	**Test ID:**	T000115705
Type:	Concentrate	**Submitted:**	12/17/2020 @ 12:00 PM
Test:	Residual Solvents	**Started:**	12/21/2020
Method:	TM04	**Reported:**	12/21/2020

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	113 - 2265	*ND
Butanes (Isobutane, n-Butane)	213 - 4261	*ND
Methanol	64 - 1275	*ND
Pentane	105 - 2093	*ND
Ethanol	105 - 2093	*ND
Acetone	102 - 2046	*ND
Isopropyl Alcohol	106 - 2112	*ND
Hexane	6 - 125	*ND
Ethyl Acetate	102 - 2046	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	104 - 2077	*ND
Toluene	19 - 373	*ND
Xylenes (m,p,o-Xylenes)	136 - 2725	*ND

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
21-Dec-2020
2:47 PM

PREPARED BY / DATE

Greg Zimpfer
21-Dec-2020
3:14 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4472 Cherry Valley Tpke
Lafayette, NY 13084

Organic CBD Oil Original 1200mg

Batch ID:	T0013	**Test ID:**	T000115707
Type:	Concentrate	**Submitted:**	12/17/2020 @ 12:00 PM
Test:	Pesticides	**Started:**	12/17/2020
Method:	TM17	**Reported:**	12/21/2020

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	44 - 2554	ND*
Acetamiprid	46 - 2554	ND*
Abamectin	>319	ND*
Azoxystrobin	41 - 2554	ND*
Bifenazate	122 - 2554	ND*
Boscalid	61 - 2554	ND*
Carbaryl	40 - 2554	ND*
Carbofuran	45 - 2554	ND*
Chlorantraniliprole	42 - 2554	ND*
Chlorpyrifos	48 - 2554	ND*
Clofentezine	288 - 2554	ND*
Diazinon	294 - 2554	ND*
Dichlorvos	>277	ND*
Dimethoate	46 - 2554	ND*
E-Fenpyroximate	279 - 2554	ND*
Etofenprox	41 - 2554	ND*
Etoxazole	287 - 2554	ND*
Fenoxycarb	>46	ND*
Fipronil	41 - 2554	ND*
Flonicamid	43 - 2554	ND*
Fludioxonil	>337	ND*
Hexythiazox	38 - 2554	ND*
Imazalil	281 - 2554	ND*
Imidacloprid	50 - 2554	ND*
Kresoxim-methyl	49 - 2554	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	280 - 2554	ND*
Metalaxyl	46 - 2554	ND*
Methiocarb	46 - 2554	ND*
Methomyl	44 - 2554	ND*
MGK 264 1	179 - 2554	ND*
MGK 264 2	118 - 2554	ND*
Myclobutanil	41 - 2554	ND*
Naled	50 - 2554	ND*
Oxamyl	35 - 2554	ND*
Paclobutrazol	45 - 2554	ND*
Permethrin	321 - 2554	ND*
Phosmet	40 - 2554	ND*
Prophos	310 - 2554	ND*
Propoxur	45 - 2554	ND*
Pyridaben	288 - 2554	ND*
Spinosad A	29 - 2554	ND*
Spinosad D	80 - 2554	ND*
Spiromesifen	>279	ND*
Spirotetramat	>284	ND*
Spiroxamine 1	21 - 2554	ND*
Spiroxamine 2	24 - 2554	ND*
Tebuconazole	291 - 2554	ND*
Thiacloprid	42 - 2554	ND*
Thiamethoxam	50 - 2554	ND*
Trifloxystrobin	42 - 2554	ND*

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

N/A

FINAL APPROVAL

Tyler Wiese
21-Dec-2020
3:23 PM

PREPARED BY / DATE

Greg Zimpfer
21-Dec-2020
3:43 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4472 Cherry Valley Tpke
Lafayette, NY 13084

Organic CBD Oil Original 1200mg

Batch ID:	T0013	**Test ID:**	T000115708
Type:	Other	**Submitted:**	12/17/2020 @ 12:00 PM
Test:	Metals	**Started:**	12/21/2020
Method:	TM19	**Reported:**	12/21/2020

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.092 - 9.22	ND
Cadmium	0.095 - 9.45	ND
Mercury	0.096 - 9.61	ND
Lead	0.090 - 9.01	ND

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

FINAL APPROVAL

Ryan Weems
21-Dec-2020
6:25 PM

PREPARED BY / DATE

Greg Zimpfer
21-Dec-2020
9:21 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH
4472 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

Organic CBD Oil Original 1200mg

Batch ID:	T0013	**Test ID:**	T000115706
Type:	Edible	**Submitted:**	12/17/2020 @ 12:00 PM
Test:	Microbial Contaminants	**Started:**	12/18/2020
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	12/21/2020

MICROBIAL CONTAMINANTS

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

Sarah Henning
21-Dec-2020
11:51 AM
PREPARED BY / DATE

Greg Zimpfer
21-Dec-2020
2:45 PM
APPROVED BY / DATE

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