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CERTIFICATE OF ANALYSIS

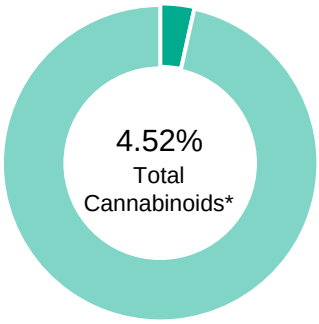
prepared for: Beak and Skiff Research

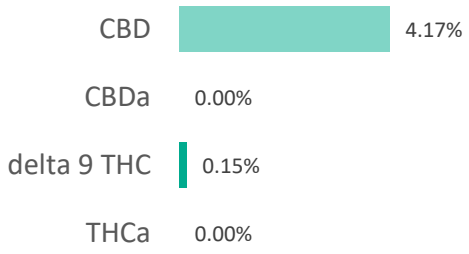
4472 Cherry Valley Tpke
Lafayette, NY 13084

CBD Oil Original 1200mg

Batch ID:	T0006	**Test ID:**	T000099394
Reported:	30-Sep-2020	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.09	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.04	0.15	1.5
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.03	4.17	41.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.12	ND	ND
Cannabinol (CBN)	0.05	ND	ND
Cannabigerolic acid (CBGA)	0.07	ND	ND
Cannabigerol (CBG)	0.04	0.05	0.5
Tetrahydrocannabivarinic Acid (THCVA)	0.07	ND	ND
Tetrahydrocannabivarin (THCV)	0.04	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.07	ND	ND
Cannabichromene (CBC)	0.08	0.15	1.5
Total Cannabinoids		**4.52**	**45.2**
Total Potential THC**		0.15	1.5
Total Potential CBD**		4.17	41.7

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
30-Sep-2020
3:27 PM
PREPARED BY / DATE

Ben Minton
30-Sep-2020
3:33 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

CBD Oil Original 1200mg

Batch ID:	T0006	**Test ID:**	T000099395
Reported:	1-Oct-2020	**Method:**	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	101 - 2013	*ND
Butanes (Isobutane, n-Butane)	150 - 3006	*ND
Methanol	63 - 1256	*ND
Pentane	88 - 1759	*ND
Ethanol	88 - 1758	*ND
Acetone	102 - 2034	*ND
Isopropyl Alcohol	107 - 2145	*ND
Hexane	6 - 125	*ND
Ethyl Acetate	102 - 2033	*ND
Benzene	0.2 - 4	*ND
Heptanes	94 - 1878	*ND
Toluene	19 - 371	*ND
Xylenes (m,p,o-Xylenes)	136 - 2713	*ND

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

NOTES:
N/A

FINAL APPROVAL

Ryan Weems
1-Oct-2020
4:11 PM
PREPARED BY / DATE

Ben Minton
1-Oct-2020
5:12 PM
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

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

CBD Oil Original 1200mg

Batch ID:	T0006	**Test ID:**	T000099397
Reported:	2-Oct-2020	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	37 - 2577	ND*
Acetamiprid	39 - 2577	ND*
Abamectin	>366	ND*
Azoxystrobin	47 - 2577	ND*
Bifenazate	41 - 2577	ND*
Boscalid	39 - 2577	ND*
Carbaryl	38 - 2577	ND*
Carbofuran	42 - 2577	ND*
Chlorantraniliprole	50 - 2577	ND*
Chlorpyrifos	48 - 2577	ND*
Clofentezine	289 - 2577	ND*
Diazinon	303 - 2577	ND*
Dichlorvos	>281	ND*
Dimethoate	39 - 2577	ND*
E-Fenpyroximate	305 - 2577	ND*
Etofenprox	44 - 2577	ND*
Etoxazole	300 - 2577	ND*
Fenoxycarb	>41	ND*
Fipronil	40 - 2577	ND*
Flonicamid	40 - 2577	ND*
Fludioxonil	>293	ND*
Hexythiazox	42 - 2577	ND*
Imazalil	292 - 2577	ND*
Imidacloprid	39 - 2577	ND*
Kresoxim-methyl	42 - 2577	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	305 - 2577	ND*
Metalaxyl	41 - 2577	ND*
Methiocarb	41 - 2577	ND*
Methomyl	37 - 2577	ND*
MGK 264 1	179 - 2577	ND*
MGK 264 2	121 - 2577	ND*
Myclobutanil	40 - 2577	ND*
Naled	40 - 2577	ND*
Oxamyl	37 - 2577	ND*
Paclobutrazol	46 - 2577	ND*
Permethrin	295 - 2577	ND*
Phosmet	45 - 2577	ND*
Prophos	308 - 2577	ND*
Propoxur	41 - 2577	ND*
Pyridaben	304 - 2577	ND*
Spinosad A	29 - 2577	ND*
Spinosad D	83 - 2577	ND*
Spiromesifen	>299	ND*
Spirotetramat	>311	ND*
Spiroxamine 1	17 - 2577	ND*
Spiroxamine 2	22 - 2577	ND*
Tebuconazole	382 - 2577	ND*
Thiacloprid	40 - 2577	ND*
Thiamethoxam	42 - 2577	ND*
Trifloxystrobin	43 - 2577	ND*

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

N/A

FINAL APPROVAL

Samantha Smith
Sam Smith
2-Oct-2020
4:51 PM

PREPARED BY / DATE

Scott Hansen
2-Oct-2020
6:43 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

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

CBD Oil Original 1200mg

Batch ID:	T0006	**Test ID:**	T000099398
Reported:	1-Oct-2020	**Method:**	TM19
Type:	Unit		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.071 - 7.05	ND
Cadmium	0.073 - 7.30	ND
Mercury	0.074 - 7.41	ND
Lead	0.070 - 7.03	ND

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

FINAL APPROVAL

Ryan Weems
1-Oct-2020
3:03 PM

PREPARED BY / DATE

Ben Minton
1-Oct-2020
4:58 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

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

CBD Oil Original 1200mg

Batch ID:	T0006	**Test ID:**	T000099396
Reported:	3-Oct-2020	**Method:**	TM24, TM25, TM26, TM27, TM28
Type:	Edible		
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	Absent
STEC and 0157 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

Greg Zimpfer
3-Oct-2020
6:20 PM

PREPARED BY / DATE

Scott Hansen
3-Oct-2020
7:45 PM

APPROVED BY / DATE

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