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CERTIFICATE OF ANALYSIS

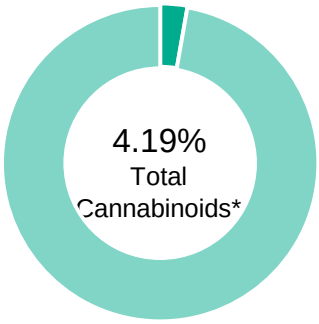
prepared for: Beak and Skiff Research

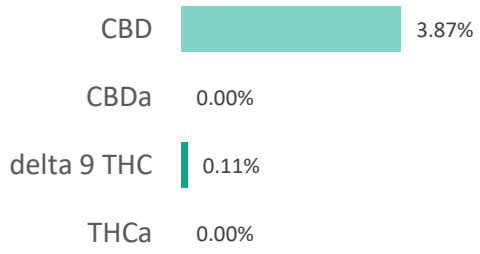
4472 Cherry Valley Tpke Suite #300
Lafayette, NY 13084

CBD Oil Original 1200mg

Batch ID:	T0004	**Test ID:**	T000093452
Reported:	2-Sep-2020	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.05	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	0.11	1.1
Cannabidiolic acid (CBDA)	0.07	ND	ND
Cannabidiol (CBD)	0.04	3.87	38.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	ND	ND
Cannabinolic Acid (CBNA)	0.06	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.02	0.06	0.6
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.03	ND	ND
Cannabichromenic Acid (CBCA)	0.03	ND	ND
Cannabichromene (CBC)	0.04	0.15	1.5
Total Cannabinoids		**4.19**	**41.9**
Total Potential THC**		0.11	1.1
Total Potential CBD**		3.87	38.7

% = % (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
2-Sep-2020
2:44 PM

PREPARED BY / DATE

Greg Zimpfer
2-Sep-2020
3:54 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

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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:	T0004	**Test ID:**	T000093453
Reported:	2-Sep-2020	**Method:**	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	62 - 1245	*ND
Butanes (Isobutane, n-Butane)	133 - 2652	*ND
Methanol	54 - 1081	*ND
Pentane	77 - 1541	*ND
Ethanol	76 - 1526	*ND
Acetone	88 - 1761	*ND
Isopropyl Alcohol	91 - 1826	*ND
Hexane	5 - 107	*ND
Ethyl Acetate	89 - 1773	*ND
Benzene	0.2 - 3.6	*ND
Heptanes	83 - 1664	*ND
Toluene	16 - 322	*ND
Xylenes (m,p,o-Xylenes)	117 - 2338	*ND

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
2-Sep-2020
1:56 PM
PREPARED BY / DATE

Greg Zimpfer
2-Sep-2020
3:34 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:	T0004	**Test ID:**	T000093455
Reported:	3-Sep-2020	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	44 - 2462	ND*
Acetamiprid	40 - 2462	ND*
Abamectin	>342	ND*
Azoxystrobin	41 - 2462	ND*
Bifenazate	43 - 2462	ND*
Boscalid	47 - 2462	ND*
Carbaryl	40 - 2462	ND*
Carbofuran	42 - 2462	ND*
Chlorantraniliprole	44 - 2462	ND*
Chlorpyrifos	53 - 2462	ND*
Clofentezine	276 - 2462	ND*
Diazinon	284 - 2462	ND*
Dichlorvos	>243	ND*
Dimethoate	41 - 2462	ND*
E-Fenpyroximate	298 - 2462	ND*
Etofenprox	44 - 2462	ND*
Etoxazole	300 - 2462	ND*
Fenoxycarb	>39	ND*
Fipronil	60 - 2462	ND*
Flonicamid	48 - 2462	ND*
Fludioxonil	>298	ND*
Hexythiazox	40 - 2462	ND*
Imazalil	265 - 2462	ND*
Imidacloprid	39 - 2462	ND*
Kresoxim-methyl	39 - 2462	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	277 - 2462	ND*
Metalaxyl	41 - 2462	ND*
Methiocarb	41 - 2462	ND*
Methomyl	44 - 2462	ND*
MGK 264 1	157 - 2462	ND*
MGK 264 2	117 - 2462	ND*
Myclobutanil	41 - 2462	ND*
Naled	39 - 2462	ND*
Oxamyl	40 - 2462	ND*
Paclobutrazol	44 - 2462	ND*
Permethrin	296 - 2462	ND*
Phosmet	41 - 2462	ND*
Prophos	310 - 2462	ND*
Propoxur	41 - 2462	ND*
Pyridaben	302 - 2462	ND*
Spinosad A	29 - 2462	ND*
Spinosad D	79 - 2462	ND*
Spiromesifen	>288	ND*
Spirotetramat	>287	ND*
Spiroxamine 1	18 - 2462	ND*
Spiroxamine 2	23 - 2462	ND*
Tebuconazole	298 - 2462	ND*
Thiacloprid	43 - 2462	ND*
Thiamethoxam	43 - 2462	ND*
Trifloxystrobin	43 - 2462	ND*

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

N/A

FINAL APPROVAL

Tyler Wiese
3-Sep-2020
8:03 PM

PREPARED BY / DATE

Ben Minton
3-Sep-2020
9:32 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:	T0004	**Test ID:**	T000093456
Reported:	3-Sep-2020	**Method:**	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.063 - 6.32	ND
Cadmium	0.062 - 6.23	ND
Mercury	0.066 - 6.56	ND
Lead	0.063 - 6.35	ND

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

FINAL APPROVAL

Ryan Weems
3-Sep-2020
4:44 PM

PREPARED BY / DATE

Ben Minton
3-Sep-2020
5:07 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:	T0004	**Test ID:**	T000093454
Reported:	4-Sep-2020	**Method:**	MIP - Test Methods: TM05, TM06
Type:	MIP		
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
4-Sep-2020
10:37 AM
PREPARED BY / DATE

Greg Zimpfer
4-Sep-2020
12:59 PM
APPROVED BY / DATE

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