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CERTIFICATE OF ANALYSIS

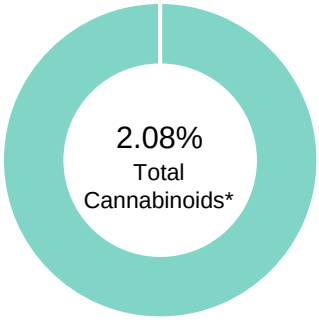
prepared for: Beak and Skiff Research

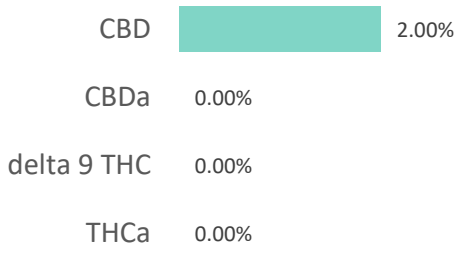
4472 Cherry Valley Tpke
Lafayette, NY 13084

CBD Oil Original 600mg

Batch ID:	T0007	**Test ID:**	T000107118
Type:	Concentrate	**Submitted:**	10/30/2020 @ 11:07 AM
Test:	Potency	**Started:**	11/3/2020
Method:	TM14	**Reported:**	11/4/2020

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.06	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	ND	ND
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.04	2.00	20.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	ND	ND
Cannabinolic Acid (CBNA)	0.08	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.05	ND	ND
Cannabigerol (CBG)	0.03	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.05	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.04	ND	ND
Cannabichromene (CBC)	0.05	0.08	0.8
Total Cannabinoids		**2.08**	**20.8**
Total Potential THC**		ND	ND
Total Potential CBD**		2.00	20.0

% = % (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

Tyler Wiese
4-Nov-2020
2:42 PM
PREPARED BY / DATE

Greg Zimpfer
4-Nov-2020
8:18 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 600mg

Batch ID:	T0007	**Test ID:**	T000107119
Type:	Concentrate	**Submitted:**	10/30/2020 @ 11:07 AM
Test:	Residual Solvents	**Started:**	11/3/2020
Method:	TM04	**Reported:**	11/3/2020

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	91 - 1815	*ND
Butanes (Isobutane, n-Butane)	182 - 3647	*ND
Methanol	60 - 1198	*ND
Pentane	96 - 1921	*ND
Ethanol	94 - 1885	*ND
Acetone	98 - 1953	*ND
Isopropyl Alcohol	102 - 2035	*ND
Hexane	6 - 118	*ND
Ethyl Acetate	99 - 1979	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	96 - 1913	*ND
Toluene	18 - 352	*ND
Xylenes (m,p,o-Xylenes)	127 - 2539	*ND

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

NOTES:
N/A

FINAL APPROVAL

Ryan Weems
3-Nov-2020
2:18 PM

PREPARED BY / DATE

Ben Minton
3-Nov-2020
4:16 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 600mg

Batch ID:	T0007	**Test ID:**	T000107121
Type:	Concentrate	**Submitted:**	10/30/2020 @ 11:07 AM
Test:	Pesticides	**Started:**	11/3/2020
Method:		**Reported:**	11/4/2020

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	37 - 2438	ND*
Acetamiprid	37 - 2438	ND*
Abamectin	>290	ND*
Azoxystrobin	45 - 2438	ND*
Bifenazate	39 - 2438	ND*
Boscalid	43 - 2438	ND*
Carbaryl	39 - 2438	ND*
Carbofuran	43 - 2438	ND*
Chlorantraniliprole	49 - 2438	ND*
Chlorpyrifos	37 - 2438	ND*
Clofentezine	304 - 2438	ND*
Diazinon	297 - 2438	ND*
Dichlorvos	>268	ND*
Dimethoate	38 - 2438	ND*
E-Fenpyroximate	287 - 2438	ND*
Etofenprox	41 - 2438	ND*
Etoxazole	288 - 2438	ND*
Fenoxycarb	>45	ND*
Fipronil	50 - 2438	ND*
Flonicamid	44 - 2438	ND*
Fludioxonil	>302	ND*
Hexythiazox	33 - 2438	ND*
Imazalil	278 - 2438	ND*
Imidacloprid	39 - 2438	ND*
Kresoxim-methyl	45 - 2438	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	285 - 2438	ND*
Metalaxyl	43 - 2438	ND*
Methiocarb	41 - 2438	ND*
Methomyl	37 - 2438	ND*
MGK 264 1	174 - 2438	ND*
MGK 264 2	123 - 2438	ND*
Myclobutanil	40 - 2438	ND*
Naled	46 - 2438	ND*
Oxamyl	37 - 2438	ND*
Paclobutrazol	44 - 2438	ND*
Permethrin	266 - 2438	ND*
Phosmet	45 - 2438	ND*
Prophos	288 - 2438	ND*
Propoxur	41 - 2438	ND*
Pyridaben	295 - 2438	ND*
Spinosad A	30 - 2438	ND*
Spinosad D	101 - 2438	ND*
Spiromesifen	>268	ND*
Spirotetramat	>287	ND*
Spiroxamine 1	19 - 2438	ND*
Spiroxamine 2	23 - 2438	ND*
Tebuconazole	314 - 2438	ND*
Thiacloprid	38 - 2438	ND*
Thiamethoxam	38 - 2438	ND*
Trifloxystrobin	44 - 2438	ND*

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

N/A

FINAL APPROVAL

Tyler Wiese
4-Nov-2020
3:40 PM

PREPARED BY / DATE

Greg Zimpfer
4-Nov-2020
8:12 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 600mg

Batch ID:	T0007	**Test ID:**	T000107122
Type:	Other	**Submitted:**	10/30/2020 @ 11:07 AM
Test:	Metals	**Started:**	11/4/2020
Method:	TM19	**Reported:**	11/4/2020

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.072 - 7.17	ND
Cadmium	0.070 - 7.02	ND
Mercury	0.072 - 7.17	ND
Lead	0.068 - 6.84	ND

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

FINAL APPROVAL

Daniel Weidensaul
4-Nov-2020
5:58 PM

PREPARED BY / DATE

Greg Zimpfer
4-Nov-2020
8:00 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 600mg

Batch ID:	T0007	**Test ID:**	T000107120
Type:	Edible	**Submitted:**	10/30/2020 @ 11:07 AM
Test:	Microbial Contaminants	**Started:**	10/30/2020
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	11/2/2020

MICROBIAL CONTAMINANTS

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

Nick Tumminaro
2-Nov-2020
2:54 PM
PREPARED BY / DATE

Greg Zimpfer
2-Nov-2020
8:03 PM
APPROVED BY / DATE

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