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CERTIFICATE OF ANALYSIS

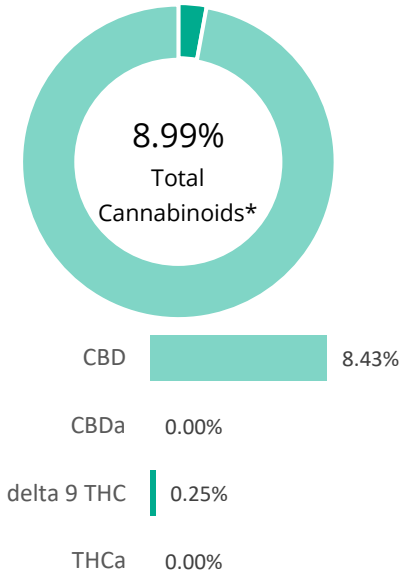
prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

O_CBD_DOIL_ORG_2400

Batch ID:	T0025	**Test ID:**	T000138330
Type:	Concentrate	**Submitted:**	05/03/2021 @ 10:10 AM
Test:	Potency	**Started:**	5/4/2021
Method:	TM14	**Reported:**	5/5/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	0.25	2.5
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.01	8.43	84.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	0.01	0.1
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.00	0.13	1.3
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	0.03	0.3
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	0.14	1.4
Total Cannabinoids		**8.99**	**89.9**
Total Potential THC**		0.25	2.5
Total Potential CBD**		8.43	84.3

% = % (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

Rvan Weems
5-Mav-2021
12:00 PM
PREPARED BY / DATE

Daniel Weidensaul
5-Mav-2021
12:04 PM
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH

4473 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

O_CBD_DOIL_ORG_2400

Batch ID:	T0025	**Test ID:**	T000138334
Type:	Concentrate	**Submitted:**	05/03/2021 @ 10:10 AM
Test:	Residual Solvents	**Started:**	5/5/2021
Method:	TM04	**Reported:**	5/5/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	66 - 1328	*ND
Butanes (Isobutane, n-Butane)	131 - 2629	*ND
Methanol	56 - 1128	*ND
Pentane	77 - 1542	*ND
Ethanol	82 - 1646	*ND
Acetone	89 - 1771	*ND
Isopropyl Alcohol	101 - 2028	*ND
Hexane	5 - 108	*ND
Ethyl Acetate	91 - 1826	*ND
Benzene	0.2 - 3.6	*ND
Heptanes	85 - 1693	*ND
Toluene	16 - 326	*ND
Xylenes (m,p,o-Xylenes)	119 - 2378	*ND

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

NOTES:
N/A

FINAL APPROVAL

Samantha Smith
Sam Smith
5-May-2021
2:35 PM

PREPARED BY / DATE

Ryan Weems
Ryan Weems
5-May-2021
2:36 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

O_CBD_DOIL_ORG_2400

Batch ID:	T0025	**Test ID:**	T000138331
Type:	Concentrate	**Submitted:**	05/03/2021 @ 10:10 AM
Test:	Pesticides	**Started:**	5/5/2021
Method:	TM17	**Reported:**	5/6/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	37 - 2385	ND*
Acetamiprid	36 - 2385	ND*
Abamectin	>280	ND*
Azoxystrobin	39 - 2385	ND*
Bifenazate	35 - 2385	ND*
Boscalid	33 - 2385	ND*
Carbaryl	33 - 2385	ND*
Carbofuran	37 - 2385	ND*
Chlorantraniliprole	43 - 2385	ND*
Chlorpyrifos	42 - 2385	ND*
Clofentezine	257 - 2385	ND*
Diazinon	275 - 2385	ND*
Dichlorvos	>285	ND*
Dimethoate	37 - 2385	ND*
E-Fenpyroximate	270 - 2385	ND*
Etofenprox	39 - 2385	ND*
Etoxazole	286 - 2385	ND*
Fenoxycarb	>39	ND*
Fipronil	58 - 2385	ND*
Flonicamid	41 - 2385	ND*
Fludioxonil	>285	ND*
Hexythiazox	37 - 2385	ND*
Imazalil	258 - 2385	ND*
Imidacloprid	38 - 2385	ND*
Kresoxim-methyl	43 - 2385	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	272 - 2385	ND*
Metalaxyl	40 - 2385	ND*
Methiocarb	38 - 2385	ND*
Methomyl	37 - 2385	ND*
MGK 264 1	156 - 2385	ND*
MGK 264 2	113 - 2385	ND*
Myclobutanil	40 - 2385	ND*
Naled	46 - 2385	ND*
Oxamyl	35 - 2385	ND*
Paclobutrazol	38 - 2385	ND*
Permethrin	251 - 2385	ND*
Phosmet	36 - 2385	ND*
Prophos	290 - 2385	ND*
Propoxur	37 - 2385	ND*
Pyridaben	276 - 2385	ND*
Spinosad A	28 - 2385	ND*
Spinosad D	78 - 2385	ND*
Spiromesifen	>273	ND*
Spirotetramat	>263	ND*
Spiroxamine 1	15 - 2385	ND*
Spiroxamine 2	22 - 2385	ND*
Tebuconazole	274 - 2385	ND*
Thiacloprid	38 - 2385	ND*
Thiamethoxam	39 - 2385	ND*
Trifloxystrobin	41 - 2385	ND*

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

N/A

FINAL APPROVAL

Taylor Brevik
6-May-2021
8:13 AM

PREPARED BY / DATE

Sam Smith
6-May-2021
8:30 AM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

O_CBD_DOIL_ORG_2400

Batch ID:	T0025	**Test ID:**	T000138333
Type:	Unit	**Submitted:**	05/03/2021 @ 10:10 AM
Test:	Metals	**Started:**	5/6/2021
Method:	TM19	**Reported:**	5/7/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.047 - 4.71	ND
Cadmium	0.047 - 4.66	ND
Mercury	0.047 - 4.66	ND
Lead	0.047 - 4.72	ND

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

FINAL APPROVAL

Ryan Weems
7-May-2021
12:21 PM

PREPARED BY / DATE

Sam Smith
7-May-2021
12:23 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH

4473 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

O_CBD_DOIL_ORG_2400

Batch ID:	T0025	**Test ID:**	T000138332
Type:	Edible	**Submitted:**	05/03/2021 @ 10:10 AM
Test:	Microbial Contaminants	**Started:**	5/3/2021
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	5/6/2021

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)	Absent
Salmonella	Absent

** 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
6-May-2021
10:01 AM

PREPARED BY / DATE

Robert Belfon
6-May-2021
10:45 AM

APPROVED BY / DATE

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