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CERTIFICATE OF ANALYSIS

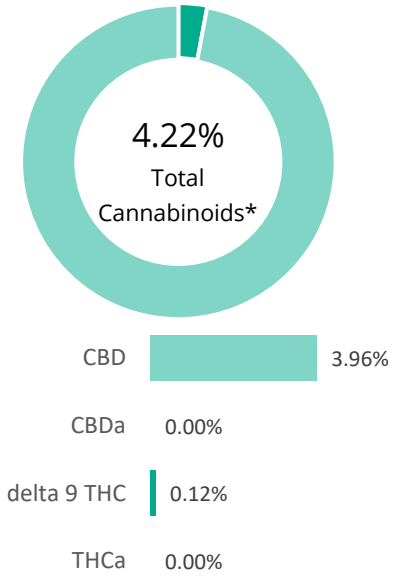
prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

O_CBD_DOIL_SMT_1200

Batch ID:	T0026	**Test ID:**	T000138335
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	0.12	1.2
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.01	3.96	39.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	0.00	0.0
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.00	0.06	0.6
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	0.02	0.2
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	0.06	0.6
Total Cannabinoids		**4.22**	**42.2**
Total Potential THC**		0.12	1.2
Total Potential CBD**		3.96	39.6

% = % (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_SMT_1200

Batch ID:	T0026	**Test ID:**	T000138339
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	83 - 1653	*ND
Butanes (Isobutane, n-Butane)	164 - 3272	*ND
Methanol	70 - 1404	*ND
Pentane	96 - 1919	*ND
Ethanol	102 - 2048	*ND
Acetone	110 - 2204	*ND
Isopropyl Alcohol	126 - 2524	*ND
Hexane	7 - 135	*ND
Ethyl Acetate	114 - 2273	*ND
Benzene	0.2 - 4.5	*ND
Heptanes	105 - 2107	*ND
Toluene	20 - 405	*ND
Xylenes (m,p,o-Xylenes)	148 - 2961	*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_SMT_1200

Batch ID:	T0026	**Test ID:**	T000138336
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	32 - 2084	ND*
Acetamiprid	32 - 2084	ND*
Abamectin	>245	ND*
Azoxystrobin	34 - 2084	ND*
Bifenazate	30 - 2084	ND*
Boscalid	28 - 2084	ND*
Carbaryl	29 - 2084	ND*
Carbofuran	32 - 2084	ND*
Chlorantraniliprole	37 - 2084	ND*
Chlorpyrifos	37 - 2084	ND*
Clofentezine	224 - 2084	ND*
Diazinon	240 - 2084	ND*
Dichlorvos	>249	ND*
Dimethoate	32 - 2084	ND*
E-Fenpyroximate	236 - 2084	ND*
Etofenprox	34 - 2084	ND*
Etoxazole	250 - 2084	ND*
Fenoxycarb	>34	ND*
Fipronil	51 - 2084	ND*
Flonicamid	36 - 2084	ND*
Fludioxonil	>249	ND*
Hexythiazox	33 - 2084	ND*
Imazalil	225 - 2084	ND*
Imidacloprid	33 - 2084	ND*
Kresoxim-methyl	38 - 2084	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	238 - 2084	ND*
Metalaxyl	35 - 2084	ND*
Methiocarb	33 - 2084	ND*
Methomyl	32 - 2084	ND*
MGK 264 1	137 - 2084	ND*
MGK 264 2	99 - 2084	ND*
Myclobutanil	35 - 2084	ND*
Naled	40 - 2084	ND*
Oxamyl	31 - 2084	ND*
Paclobutrazol	33 - 2084	ND*
Permethrin	219 - 2084	ND*
Phosmet	31 - 2084	ND*
Prophos	253 - 2084	ND*
Propoxur	32 - 2084	ND*
Pyridaben	241 - 2084	ND*
Spinosad A	24 - 2084	ND*
Spinosad D	68 - 2084	ND*
Spiromesifen	>239	ND*
Spirotetramat	>230	ND*
Spiroxamine 1	13 - 2084	ND*
Spiroxamine 2	19 - 2084	ND*
Tebuconazole	239 - 2084	ND*
Thiacloprid	33 - 2084	ND*
Thiamethoxam	34 - 2084	ND*
Trifloxystrobin	36 - 2084	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_SMT_1200

Batch ID:	T0026	**Test ID:**	T000138338
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_SMT_1200

Batch ID:	T0026	**Test ID:**	T000138337
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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