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CERTIFICATE OF ANALYSIS

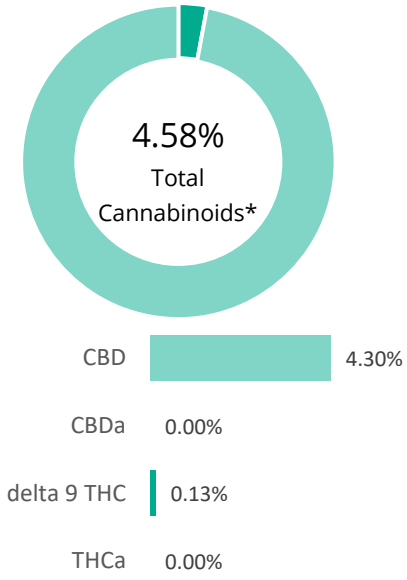
prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

O_CBD_DOIL_HCP_1200

Batch ID:	T0027	**Test ID:**	T000138340
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	0.13	1.3
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.01	4.30	43.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	ND	ND
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	0.07	0.7
Total Cannabinoids		**4.58**	**45.8**
Total Potential THC**		0.13	1.3
Total Potential CBD**		4.30	43.0

% = % (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

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

Daniel Weidensaul
5-Mav-2021
12:04 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

4473 Cherry Valley Tpke
Lafayette, NY 13084

O_CBD_DOIL_HCP_1200

Batch ID:	T0027	**Test ID:**	T000138341
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	33 - 2139	ND*
Acetamiprid	33 - 2139	ND*
Abamectin	>251	ND*
Azoxystrobin	35 - 2139	ND*
Bifenazate	31 - 2139	ND*
Boscalid	29 - 2139	ND*
Carbaryl	30 - 2139	ND*
Carbofuran	33 - 2139	ND*
Chlorantraniliprole	38 - 2139	ND*
Chlorpyrifos	38 - 2139	ND*
Clofentezine	230 - 2139	ND*
Diazinon	246 - 2139	ND*
Dichlorvos	>255	ND*
Dimethoate	33 - 2139	ND*
E-Fenpyroximate	242 - 2139	ND*
Etofenprox	35 - 2139	ND*
Etoxazole	257 - 2139	ND*
Fenoxycarb	>35	ND*
Fipronil	52 - 2139	ND*
Flonicamid	37 - 2139	ND*
Fludioxonil	>255	ND*
Hexythiazox	33 - 2139	ND*
Imazalil	231 - 2139	ND*
Imidacloprid	34 - 2139	ND*
Kresoxim-methyl	39 - 2139	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	244 - 2139	ND*
Metalaxyl	36 - 2139	ND*
Methiocarb	34 - 2139	ND*
Methomyl	33 - 2139	ND*
MGK 264 1	140 - 2139	ND*
MGK 264 2	102 - 2139	ND*
Myclobutanil	36 - 2139	ND*
Naled	41 - 2139	ND*
Oxamyl	32 - 2139	ND*
Paclobutrazol	34 - 2139	ND*
Permethrin	225 - 2139	ND*
Phosmet	32 - 2139	ND*
Prophos	260 - 2139	ND*
Propoxur	33 - 2139	ND*
Pyridaben	247 - 2139	ND*
Spinosad A	25 - 2139	ND*
Spinosad D	70 - 2139	ND*
Spiromesifen	>245	ND*
Spirotetramat	>236	ND*
Spiroxamine 1	13 - 2139	ND*
Spiroxamine 2	19 - 2139	ND*
Tebuconazole	245 - 2139	ND*
Thiacloprid	34 - 2139	ND*
Thiamethoxam	35 - 2139	ND*
Trifloxystrobin	37 - 2139	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_HCP_1200

Batch ID:	T0027	**Test ID:**	T000138343
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_HCP_1200

Batch ID:	T0027	**Test ID:**	T000138342
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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