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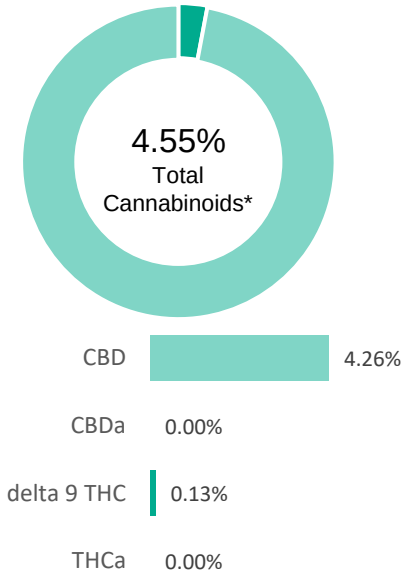
CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4473 Cherry Valley Tpke
Lafayette, NY 13084

Organic CBD Oil Mint (Spearmint)1200mg

Batch ID:	T0019	**Test ID:**	T000132624
Type:	Concentrate	**Submitted:**	04/02/2021 @ 11:36 AM
Test:	Potency	**Started:**	4/5/2021
Method:	TM14	**Reported:**	4/7/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.13	1.3
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.01	4.26	42.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	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	0.07	0.7
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)	0.00	ND	ND
Cannabichromene (CBC)	0.01	0.07	0.7
Total Cannabinoids		**4.55**	**45.5**
Total Potential THC**		0.13	1.3
Total Potential CBD**		4.26	42.6

% = % (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

Daniel Weidensaul
7-Apr-2021
1:24 PM
PREPARED BY / DATE

Tyler Wiese
7-Apr-2021
1:28 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

Organic CBD Oil Mint (Spearmint)1200mg

Batch ID:	T0019	**Test ID:**	T000132628
Type:	Concentrate	**Submitted:**	04/02/2021 @ 11:36 AM
Test:	Residual Solvents	**Started:**	4/8/2021
Method:	TM04	**Reported:**	4/8/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	104 - 2078	*ND
Butanes (Isobutane, n-Butane)	203 - 4056	*ND
Methanol	61 - 1225	*ND
Pentane	101 - 2016	*ND
Ethanol	102 - 2042	*ND
Acetone	99 - 1988	*ND
Isopropyl Alcohol	102 - 2032	*ND
Hexane	6 - 123	*ND
Ethyl Acetate	101 - 2023	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	100 - 1995	*ND
Toluene	18 - 361	*ND
Xylenes (m,p,o-Xylenes)	133 - 2652	*ND

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

NOTES:
N/A

FINAL APPROVAL

Tyler Wiese
8-Apr-2021
5:01 PM

PREPARED BY / DATE

Daniel Weidensaul
8-Apr-2021
5:13 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4473 Cherry Valley Tpke
Lafayette, NY 13084

Organic CBD Oil Mint (Spearmint)1200mg

Batch ID:	T0019	**Test ID:**	T000132625
Type:	Concentrate	**Submitted:**	04/02/2021 @ 11:36 AM
Test:	Pesticides	**Started:**	4/6/2021
Method:	TM17	**Reported:**	4/7/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	37 - 2492	ND*
Acetamiprid	40 - 2492	ND*
Abamectin	>375	ND*
Azoxystrobin	39 - 2492	ND*
Bifenazate	28 - 2492	ND*
Boscalid	48 - 2492	ND*
Carbaryl	37 - 2492	ND*
Carbofuran	39 - 2492	ND*
Chlorantraniliprole	36 - 2492	ND*
Chlorpyrifos	43 - 2492	ND*
Clofentezine	283 - 2492	ND*
Diazinon	269 - 2492	ND*
Dichlorvos	>292	ND*
Dimethoate	39 - 2492	ND*
E-Fenpyroximate	223 - 2492	ND*
Etofenprox	40 - 2492	ND*
Etoxazole	295 - 2492	ND*
Fenoxycarb	>39	ND*
Fipronil	61 - 2492	ND*
Flonicamid	42 - 2492	ND*
Fludioxonil	>288	ND*
Hexythiazox	36 - 2492	ND*
Imazalil	306 - 2492	ND*
Imidacloprid	38 - 2492	ND*
Kresoxim-methyl	45 - 2492	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	290 - 2492	ND*
Metalaxyl	39 - 2492	ND*
Methiocarb	40 - 2492	ND*
Methomyl	40 - 2492	ND*
MGK 264 1	150 - 2492	ND*
MGK 264 2	118 - 2492	ND*
Myclobutanil	40 - 2492	ND*
Naled	43 - 2492	ND*
Oxamyl	40 - 2492	ND*
Paclobutrazol	45 - 2492	ND*
Permethrin	282 - 2492	ND*
Phosmet	40 - 2492	ND*
Prophos	293 - 2492	ND*
Propoxur	40 - 2492	ND*
Pyridaben	301 - 2492	ND*
Spinosad A	29 - 2492	ND*
Spinosad D	83 - 2492	ND*
Spiromesifen	>245	ND*
Spirotetramat	>268	ND*
Spiroxamine 1	17 - 2492	ND*
Spiroxamine 2	22 - 2492	ND*
Tebuconazole	302 - 2492	ND*
Thiacloprid	39 - 2492	ND*
Thiamethoxam	41 - 2492	ND*
Trifloxystrobin	38 - 2492	ND*

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

N/A

FINAL APPROVAL

Sam Smith
7-Apr-2021
12:30 PM

PREPARED BY / DATE

Tyler Wiese
7-Apr-2021
12:34 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4473 Cherry Valley Tpke
Lafayette, NY 13084

Organic CBD Oil Mint (Spearmint)1200mg

Batch ID:	T0019	**Test ID:**	T000132627
Type:	Unit	**Submitted:**	04/02/2021 @ 11:36 AM
Test:	Metals	**Started:**	4/6/2021
Method:	TM19	**Reported:**	4/7/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.080 - 8.04	ND
Cadmium	0.080 - 8.02	ND
Mercury	0.082 - 8.19	ND
Lead	0.106 - 10.60	ND

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

FINAL APPROVAL

Daniel Weidensaul
7-Apr-2021
12:47 PM

PREPARED BY / DATE

Sam Smith
7-Apr-2021
12:52 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH
4473 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

Organic CBD Oil Mint (Spearmint)1200mg

Batch ID:	T0019	**Test ID:**	T000132626
Type:	Edible	**Submitted:**	04/02/2021 @ 11:36 AM
Test:	Microbial Contaminants	**Started:**	4/5/2021
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	4/8/2021

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)	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
8-Apr-2021
11:06 AM
PREPARED BY / DATE

Sarah Henning
8-Apr-2021
4:46 PM
APPROVED BY / DATE

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