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CERTIFICATE OF ANALYSIS

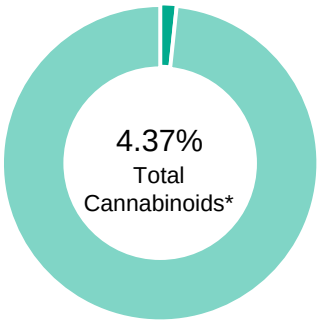
prepared for: Beak and Skiff Research

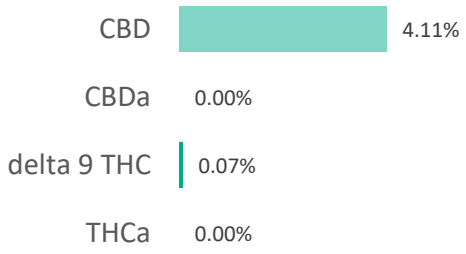
4472 Cherry Valley Tpke
Lafayette, NY 13084

CBD Oil Honeycrisp 1200mg

Batch ID:	T0008	**Test ID:**	T000110060
Type:	Concentrate	**Submitted:**	11/16/2020 @ 10:39 AM
Test:	Potency	**Started:**	11/16/2020
Method:	TM14	**Reported:**	11/17/2020

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.07	0.7
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.04	4.11	41.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.14	ND	ND
Cannabinol (CBN)	0.06	ND	ND
Cannabigerolic acid (CBGA)	0.09	ND	ND
Cannabigerol (CBG)	0.05	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.09	ND	ND
Tetrahydrocannabivarin (THCV)	0.04	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.08	ND	ND
Cannabichromene (CBC)	0.09	0.19	1.9
Total Cannabinoids		**4.37**	**43.7**
Total Potential THC**		0.07	0.7
Total Potential CBD**		4.11	41.1

% = % (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

Mara Miller
17-Nov-2020
12:55 PM
PREPARED BY / DATE

Ben Minton
17-Nov-2020
2:20 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 #4329.02

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4472 Cherry Valley Tpke
Lafayette, NY 13084

CBD Oil Honeycrisp 1200mg

Batch ID:	T0008	**Test ID:**	T000110063
Type:	Concentrate	**Submitted:**	11/16/2020 @ 10:39 AM
Test:	Pesticides	**Started:**	11/16/2020
Method:	TM17	**Reported:**	11/18/2020

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	46 - 2189	ND*
Acetamiprid	35 - 2189	ND*
Abamectin	>305	ND*
Azoxystrobin	39 - 2189	ND*
Bifenazate	37 - 2189	ND*
Boscalid	47 - 2189	ND*
Carbaryl	37 - 2189	ND*
Carbofuran	37 - 2189	ND*
Chlorantraniliprole	43 - 2189	ND*
Chlorpyrifos	39 - 2189	ND*
Clofentezine	264 - 2189	ND*
Diazinon	250 - 2189	ND*
Dichlorvos	>244	ND*
Dimethoate	35 - 2189	ND*
E-Fenpyroximate	235 - 2189	ND*
Etofenprox	37 - 2189	ND*
Etoxazole	266 - 2189	ND*
Fenoxycarb	>36	ND*
Fipronil	28 - 2189	ND*
Flonicamid	51 - 2189	ND*
Fludioxonil	>290	ND*
Hexythiazox	38 - 2189	ND*
Imazalil	252 - 2189	ND*
Imidacloprid	35 - 2189	ND*
Kresoxim-methyl	40 - 2189	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	243 - 2189	ND*
Metalaxyl	36 - 2189	ND*
Methiocarb	34 - 2189	ND*
Methomyl	39 - 2189	ND*
MGK 264 1	135 - 2189	ND*
MGK 264 2	101 - 2189	ND*
Myclobutanil	34 - 2189	ND*
Naled	45 - 2189	ND*
Oxamyl	37 - 2189	ND*
Paclobutrazol	39 - 2189	ND*
Permethrin	274 - 2189	ND*
Phosmet	38 - 2189	ND*
Prophos	280 - 2189	ND*
Propoxur	37 - 2189	ND*
Pyridaben	257 - 2189	ND*
Spinosad A	29 - 2189	ND*
Spinosad D	74 - 2189	ND*
Spiromesifen	>243	ND*
Spirotetramat	>225	ND*
Spiroxamine 1	16 - 2189	ND*
Spiroxamine 2	20 - 2189	ND*
Tebuconazole	250 - 2189	ND*
Thiacloprid	34 - 2189	ND*
Thiamethoxam	39 - 2189	ND*
Trifloxystrobin	42 - 2189	ND*

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

N/A

FINAL APPROVAL

Tyler Wiese
18-Nov-2020
3:47 PM

PREPARED BY / DATE

Ben Minton
18-Nov-2020
3:53 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.

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
4472 Cherry Valley Tpke
Lafayette, NY 13084

CBD Oil Honeycrisp 1200mg

Batch ID:	T0008	**Test ID:**	T000110064
Type:	Other	**Submitted:**	11/16/2020 @ 10:39 AM
Test:	Metals	**Started:**	11/17/2020
Method:	TM19	**Reported:**	11/18/2020

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.076 - 7.57	ND
Cadmium	0.078 - 7.75	ND
Mercury	0.075 - 7.54	ND
Lead	0.080 - 7.99	ND

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

FINAL APPROVAL

Daniel Weidensaul
18-Nov-2020
4:27 PM

PREPARED BY / DATE

Greg Zimpfer
18-Nov-2020
5:05 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 Honeycrisp 1200mg

Batch ID:	T0008	**Test ID:**	T000110062
Type:	Edible	**Submitted:**	11/16/2020 @ 10:39 AM
Test:	Microbial Contaminants	**Started:**	11/17/2020
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	11/20/2020

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

Sarah Henning
20-Nov-2020
3:58 PM
PREPARED BY / DATE

Ben Minton
20-Nov-2020
4:50 PM
APPROVED BY / DATE

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