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CERTIFICATE OF ANALYSIS

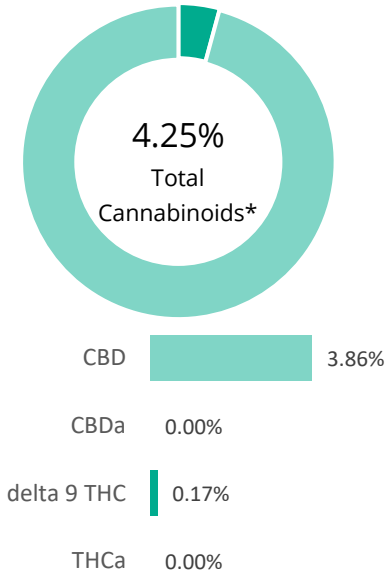
prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

Balm 1

Batch ID:	B0008	**Test ID:**	T000136664
Type:	Concentrate	**Submitted:**	04/26/2021 @ 10:18 AM
Test:	Potency	**Started:**	4/27/2021
Method:	TM14	**Reported:**	4/28/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.05	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.17	1.7
Cannabidiolic acid (CBDA)	0.05	ND	ND
Cannabidiol (CBD)	0.05	3.86	38.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.06	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.05	ND	ND
Cannabigerol (CBG)	0.01	0.14	1.4
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	0.08	0.8
Total Cannabinoids		**4.25**	**42.5**
Total Potential THC**		0.17	1.7
Total Potential CBD**		3.86	38.6

% = % (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
28-Apr-2021
1:14 PM
PREPARED BY / DATE

Tyler Wiese
28-Apr-2021
1:19 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

Certificate #4329.02

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CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH

4473 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

Balm 1

Batch ID:	B0008	**Test ID:**	T000136668
Type:	Topical	**Submitted:**	04/26/2021 @ 10:18 AM
Test:	Residual Solvents	**Started:**	4/27/2021
Method:	TM04	**Reported:**	4/28/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	91 - 1822	*ND
Butanes (Isobutane, n-Butane)	179 - 3573	*ND
Methanol	71 - 1422	*ND
Pentane	99 - 1983	*ND
Ethanol	102 - 2046	*ND
Acetone	110 - 2202	*ND
Isopropyl Alcohol	120 - 2409	*ND
Hexane	7 - 135	*ND
Ethyl Acetate	111 - 2228	*ND
Benzene	0.2 - 4.4	*ND
Heptanes	105 - 2093	*ND
Toluene	20 - 394	*ND
Xylenes (m,p,o-Xylenes)	141 - 2819	*ND

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
28-Apr-2021
9:57 AM

PREPARED BY / DATE

Ryan Weems
28-Apr-2021
12:32 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

Balm 1

Batch ID:	B0008	**Test ID:**	T000136665
Type:	Concentrate	**Submitted:**	04/26/2021 @ 10:18 AM
Test:	Pesticides	**Started:**	4/26/2021
Method:	TM17	**Reported:**	4/29/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	36 - 2595	ND*
Acetamiprid	41 - 2595	ND*
Abamectin	>424	ND*
Azoxystrobin	58 - 2595	ND*
Bifenazate	39 - 2595	ND*
Boscalid	67 - 2595	ND*
Carbaryl	41 - 2595	ND*
Carbofuran	48 - 2595	ND*
Chlorantraniliprole	53 - 2595	ND*
Chlorpyrifos	48 - 2595	ND*
Clofentezine	292 - 2595	ND*
Diazinon	283 - 2595	ND*
Dichlorvos	>288	ND*
Dimethoate	38 - 2595	ND*
E-Fenpyroximate	285 - 2595	ND*
Etofenprox	43 - 2595	ND*
Etoxazole	322 - 2595	ND*
Fenoxycarb	>39	ND*
Fipronil	55 - 2595	ND*
Flonicamid	42 - 2595	ND*
Fludioxonil	>355	ND*
Hexythiazox	38 - 2595	ND*
Imazalil	296 - 2595	ND*
Imidacloprid	42 - 2595	ND*
Kresoxim-methyl	57 - 2595	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	283 - 2595	ND*
Metalaxyl	51 - 2595	ND*
Methiocarb	37 - 2595	ND*
Methomyl	46 - 2595	ND*
MGK 264 1	157 - 2595	ND*
MGK 264 2	114 - 2595	ND*
Myclobutanil	44 - 2595	ND*
Naled	59 - 2595	ND*
Oxamyl	37 - 2595	ND*
Paclobutrazol	46 - 2595	ND*
Permethrin	274 - 2595	ND*
Phosmet	45 - 2595	ND*
Prophos	339 - 2595	ND*
Propoxur	44 - 2595	ND*
Pyridaben	275 - 2595	ND*
Spinosad A	38 - 2595	ND*
Spinosad D	107 - 2595	ND*
Spiromesifen	>267	ND*
Spirotetramat	>317	ND*
Spiroxamine 1	22 - 2595	ND*
Spiroxamine 2	22 - 2595	ND*
Tebuconazole	291 - 2595	ND*
Thiacloprid	41 - 2595	ND*
Thiamethoxam	42 - 2595	ND*
Trifloxystrobin	58 - 2595	ND*

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

N/A

FINAL APPROVAL

Tyler Wiese
29-Apr-2021
7:58 AM

PREPARED BY / DATE

Taylor Brevik
29-Apr-2021
8:01 AM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

Balm 1

Batch ID:	B0008	**Test ID:**	T000136667
Type:	Unit	**Submitted:**	04/26/2021 @ 10:18 AM
Test:	Metals	**Started:**	4/27/2021
Method:	TM19	**Reported:**	4/28/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.045 - 4.54	ND
Cadmium	0.047 - 4.74	ND
Mercury	0.047 - 4.73	ND
Lead	0.047 - 4.73	ND

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

FINAL APPROVAL

Ryan Weems
28-Apr-2021
4:06 PM

PREPARED BY / DATE

Daniel Weidensaul
28-Apr-2021
4:08 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

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

Balm 1

Batch ID:	B0008	**Test ID:**	T000136666
Type:	Topical	**Submitted:**	04/26/2021 @ 10:18 AM
Test:	Microbial Contaminants	**Started:**	4/26/2021
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	4/29/2021

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
29-Apr-2021
10:44 AM

PREPARED BY / DATE

Robert Belfon
29-Apr-2021
4:11 PM

APPROVED BY / DATE

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