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CERTIFICATE OF ANALYSIS

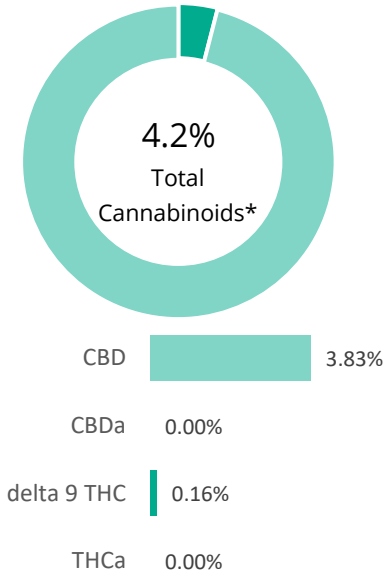
prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

Balm 2

Batch ID:	B0009	**Test ID:**	T000136669
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	0.16	1.6
Cannabidiolic acid (CBDA)	0.05	ND	ND
Cannabidiol (CBD)	0.05	3.83	38.3
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	0.13	1.3
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		**4.20**	**42.0**
Total Potential THC**		0.16	1.6
Total Potential CBD**		3.83	38.3

% = % (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 2

Batch ID:	B0009	**Test ID:**	T000136673
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	97 - 1948	*ND
Butanes (Isobutane, n-Butane)	191 - 3821	*ND
Methanol	76 - 1521	*ND
Pentane	106 - 2121	*ND
Ethanol	109 - 2188	*ND
Acetone	118 - 2355	*ND
Isopropyl Alcohol	129 - 2576	*ND
Hexane	7 - 144	*ND
Ethyl Acetate	119 - 2382	*ND
Benzene	0.2 - 4.7	*ND
Heptanes	112 - 2238	*ND
Toluene	21 - 421	*ND
Xylenes (m,p,o-Xylenes)	151 - 3015	*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 2

Batch ID:	B0009	**Test ID:**	T000136670
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 - 2637	ND*
Acetamiprid	41 - 2637	ND*
Abamectin	>431	ND*
Azoxystrobin	59 - 2637	ND*
Bifenazate	40 - 2637	ND*
Boscalid	68 - 2637	ND*
Carbaryl	41 - 2637	ND*
Carbofuran	48 - 2637	ND*
Chlorantraniliprole	54 - 2637	ND*
Chlorpyrifos	49 - 2637	ND*
Clofentezine	297 - 2637	ND*
Diazinon	288 - 2637	ND*
Dichlorvos	>293	ND*
Dimethoate	39 - 2637	ND*
E-Fenpyroximate	290 - 2637	ND*
Etofenprox	43 - 2637	ND*
Etoxazole	327 - 2637	ND*
Fenoxycarb	>40	ND*
Fipronil	56 - 2637	ND*
Flonicamid	43 - 2637	ND*
Fludioxonil	>361	ND*
Hexythiazox	39 - 2637	ND*
Imazalil	301 - 2637	ND*
Imidacloprid	42 - 2637	ND*
Kresoxim-methyl	58 - 2637	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	288 - 2637	ND*
Metalaxyl	52 - 2637	ND*
Methiocarb	38 - 2637	ND*
Methomyl	47 - 2637	ND*
MGK 264 1	159 - 2637	ND*
MGK 264 2	116 - 2637	ND*
Myclobutanil	45 - 2637	ND*
Naled	59 - 2637	ND*
Oxamyl	37 - 2637	ND*
Paclobutrazol	46 - 2637	ND*
Permethrin	278 - 2637	ND*
Phosmet	46 - 2637	ND*
Prophos	345 - 2637	ND*
Propoxur	45 - 2637	ND*
Pyridaben	280 - 2637	ND*
Spinosad A	38 - 2637	ND*
Spinosad D	108 - 2637	ND*
Spiromesifen	>272	ND*
Spirotetramat	>322	ND*
Spiroxamine 1	22 - 2637	ND*
Spiroxamine 2	23 - 2637	ND*
Tebuconazole	296 - 2637	ND*
Thiacloprid	41 - 2637	ND*
Thiamethoxam	43 - 2637	ND*
Trifloxystrobin	59 - 2637	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 2

Batch ID:	B0009	**Test ID:**	T000136672
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 2

Batch ID:	B0009	**Test ID:**	T000136671
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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