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CERTIFICATE OF ANALYSIS

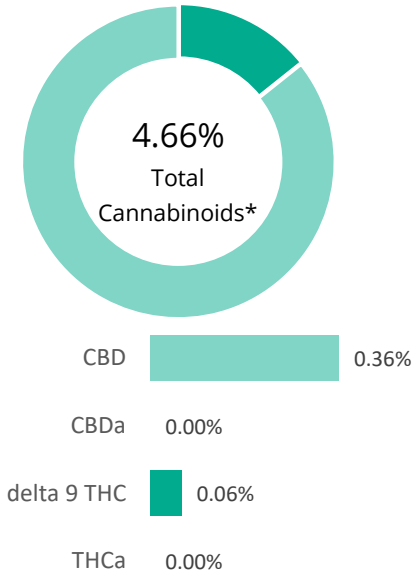
prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

O_CBG_DOIL_ORG_1200

Batch ID:	T0032	**Test ID:**	T000149371
Type:	Concentrate	**Submitted:**	07/02/2021 @ 01:20 PM
Test:	Potency	**Started:**	7/8/2021
Method:	TM14	**Reported:**	7/9/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.06	0.6
Cannabidiolic acid (CBDA)	0.06	ND	ND
Cannabidiol (CBD)	0.05	0.36	3.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.01	4.16	41.6
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		**4.66**	**46.6**
Total Potential THC**		0.06	0.6
Total Potential CBD**		0.36	3.6

% = % (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

Michele Gagnon
9-Jul-2021
4:44 PM
PREPARED BY / DATE

Daniel Weidensaul
9-Jul-2021
4:48 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_CBG_DOIL_ORG_1200

Batch ID:	T0032	**Test ID:**	T000149372
Type:	Concentrate	**Submitted:**	07/02/2021 @ 01:20 PM
Test:	Pesticides	**Started:**	7/8/2021
Method:	TM17	**Reported:**	7/12/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	45 - 2540	ND*
Acetamiprid	44 - 2540	ND*
Abamectin	>325	ND*
Azoxystrobin	46 - 2540	ND*
Bifenazate	42 - 2540	ND*
Boscalid	41 - 2540	ND*
Carbaryl	44 - 2540	ND*
Carbofuran	46 - 2540	ND*
Chlorantraniliprole	51 - 2540	ND*
Chlorpyrifos	43 - 2540	ND*
Clofentezine	310 - 2540	ND*
Diazinon	302 - 2540	ND*
Dichlorvos	>317	ND*
Dimethoate	50 - 2540	ND*
E-Fenpyroximate	320 - 2540	ND*
Etofenprox	45 - 2540	ND*
Etoxazole	314 - 2540	ND*
Fenoxycarb	>37	ND*
Fipronil	39 - 2540	ND*
Flonicamid	49 - 2540	ND*
Fludioxonil	>339	ND*
Hexythiazox	50 - 2540	ND*
Imazalil	301 - 2540	ND*
Imidacloprid	49 - 2540	ND*
Kresoxim-methyl	55 - 2540	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	312 - 2540	ND*
Metalaxyl	47 - 2540	ND*
Methiocarb	47 - 2540	ND*
Methomyl	48 - 2540	ND*
MGK 264 1	181 - 2540	ND*
MGK 264 2	121 - 2540	ND*
Myclobutanil	42 - 2540	ND*
Naled	47 - 2540	ND*
Oxamyl	46 - 2540	ND*
Paclobutrazol	46 - 2540	ND*
Permethrin	323 - 2540	ND*
Phosmet	47 - 2540	ND*
Prophos	318 - 2540	ND*
Propoxur	48 - 2540	ND*
Pyridaben	312 - 2540	ND*
Spinosad A	30 - 2540	ND*
Spinosad D	80 - 2540	ND*
Spiromesifen	>294	ND*
Spirotetramat	>302	ND*
Spiroxamine 1	21 - 2540	ND*
Spiroxamine 2	25 - 2540	ND*
Tebuconazole	294 - 2540	ND*
Thiacloprid	44 - 2540	ND*
Thiamethoxam	48 - 2540	ND*
Trifloxystrobin	47 - 2540	ND*

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

FINAL APPROVAL

Taylor Brevik
12-Jul-2021
4:20 PM

PREPARED BY / DATE

Courtney Richards
12-Jul-2021
9:30 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_CBG_DOIL_ORG_1200

Batch ID:	T0032	**Test ID:**	T000149375
Type:	Concentrate	**Submitted:**	07/02/2021 @ 01:20 PM
Test:	Residual Solvents	**Started:**	7/9/2021
Method:	TM04	**Reported:**	7/9/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	88 - 1768	*ND
Butanes (Isobutane, n-Butane)	173 - 3463	*ND
Methanol	66 - 1322	*ND
Pentane	97 - 1930	*ND
Ethanol	103 - 2068	*ND
Acetone	105 - 2104	*ND
Isopropyl Alcohol	114 - 2279	*ND
Hexane	7 - 130	*ND
Ethyl Acetate	107 - 2138	*ND
Benzene	0.2 - 4.3	*ND
Heptanes	101 - 2020	*ND
Toluene	19 - 388	*ND
Xylenes (m,p,o-Xylenes)	141 - 2813	*ND

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
9-Jul-2021
4:11 PM

PREPARED BY / DATE

Ryan Weems
9-Jul-2021
4:12 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_CBG_DOIL_ORG_1200

Batch ID:	T0032	**Test ID:**	T000149374
Type:	Unit	**Submitted:**	07/02/2021 @ 01:20 PM
Test:	Metals	**Started:**	7/9/2021
Method:	TM19	**Reported:**	7/12/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.047 - 4.72	ND
Cadmium	0.045 - 4.49	ND
Mercury	0.045 - 4.55	ND
Lead	0.040 - 4.03	ND

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

FINAL APPROVAL

Ryan Weems
12-Jul-2021
4:59 PM

PREPARED BY / DATE

Daniel Weidensaul
12-Jul-2021
5:00 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_CBG_DOIL_ORG_1200

Batch ID:	T0032	**Test ID:**	T000149373
Matrix:	Finished Product	**Received:**	07/02/2021 @ 01:20 PM
Test:	Microbial Contaminants	**Started:**	7/6/2021
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	7/9/2021

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10^2 CFU/gram	10^3 CFU/gram	**None Detected**
Total Coliforms*	TM-27 Culture Plating	10^1 CFU/gram	10^2 CFU/gram	**None Detected**
Total Yeast and Molds*	TM-24 Culture Plating	10^1 CFU/gram	10^2 CFU/gram	**None Detected**
E. coli	TM-28 Culture Plating	1 CFU/gram	NA	**Absent**
E. coli (STEC)	TM-25 PCR	1 CFU/gram	NA	**Absent**
Salmonella	TM-25 PCR	1 CFU/gram	NA	**Absent**

CFU/g = Colony Forming Units 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
Total Coliforms: None Detected

FINAL APPROVAL

Brianne Maillot
9-Jul-2021
1:48 PM

PREPARED BY / DATE

Courtney Richards
9-Jul-2021
5:32 PM

APPROVED BY / DATE

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