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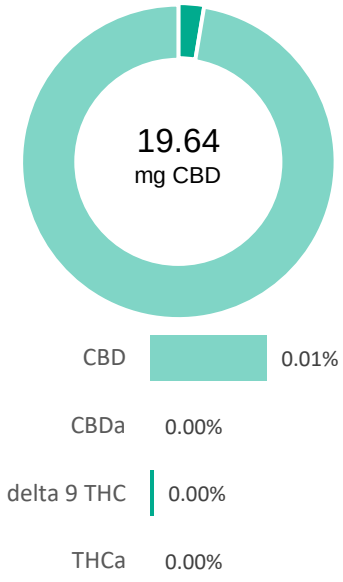
CERTIFICATE OF ANALYSIS

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

Organic CBD Sparkling Water Blood Orange 20mg

Batch ID:	01221	**Test ID:**	t000118914
Type:	Unit	**Submitted:**	01/13/2021 @ 10:47 AM
Test:	Potency	**Started:**	1/13/2021
Method:	TM14	**Reported:**	1/13/2021

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.36	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.40	0.53	ND
Cannabidiolic acid (CBDA)	0.47	ND	ND
Cannabidiol (CBD)	0.46	19.64	0.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.44	ND	ND
Cannabinolic Acid (CBNA)	0.25	ND	ND
Cannabinol (CBN)	0.12	ND	ND
Cannabigerolic acid (CBGA)	0.37	ND	ND
Cannabigerol (CBG)	0.09	0.28	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.31	ND	ND
Tetrahydrocannabivarin (THCV)	0.08	ND	ND
Cannabidivarinic Acid (CBDVA)	0.20	ND	ND
Cannabidivarin (CBDV)	0.11	ND	ND
Cannabichromenic Acid (CBCA)	0.14	ND	ND
Cannabichromene (CBC)	0.16	0.24	ND
Total Cannabinoids		**20.69**	**0.1**
Total Potential THC**		0.53	0.0
Total Potential CBD**		19.64	0.1

% = % (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:
# of Servings = 1, Sample Weight=355g

FINAL APPROVAL

Mara Miller
13-Jan-2021
2:25 PM
PREPARED BY / DATE

Ben Minton
13-Jan-2021
3:28 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 #4329.02

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CERTIFICATE OF ANALYSIS

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

Organic CBD Sparkling Water Blood Orange 20mg

Batch ID:	01221	**Test ID:**	T000118915
Type:	Concentrate	**Submitted:**	01/13/2021 @ 10:47 AM
Test:	Pesticides	**Started:**	1/19/2021
Method:	TM17	**Reported:**	1/19/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	47 - 2355	ND*
Acetamiprid	43 - 2355	ND*
Abamectin	>348	ND*
Azoxystrobin	45 - 2355	ND*
Bifenazate	38 - 2355	ND*
Boscalid	42 - 2355	ND*
Carbaryl	42 - 2355	ND*
Carbofuran	41 - 2355	ND*
Chlorantraniliprole	53 - 2355	ND*
Chlorpyrifos	30 - 2355	ND*
Clofentezine	285 - 2355	ND*
Diazinon	294 - 2355	ND*
Dichlorvos	>315	ND*
Dimethoate	44 - 2355	ND*
E-Fenpyroximate	291 - 2355	ND*
Etofenprox	43 - 2355	ND*
Etoxazole	313 - 2355	ND*
Fenoxycarb	>47	ND*
Fipronil	51 - 2355	ND*
Flonicamid	33 - 2355	ND*
Fludioxonil	>320	ND*
Hexythiazox	45 - 2355	ND*
Imazalil	291 - 2355	ND*
Imidacloprid	52 - 2355	ND*
Kresoxim-methyl	48 - 2355	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	292 - 2355	ND*
Metalaxyl	45 - 2355	ND*
Methiocarb	43 - 2355	ND*
Methomyl	45 - 2355	ND*
MGK 264 1	175 - 2355	ND*
MGK 264 2	117 - 2355	ND*
Myclobutanil	47 - 2355	ND*
Naled	42 - 2355	ND*
Oxamyl	46 - 2355	ND*
Paclobutrazol	44 - 2355	ND*
Permethrin	266 - 2355	ND*
Phosmet	40 - 2355	ND*
Prophos	282 - 2355	ND*
Propoxur	43 - 2355	ND*
Pyridaben	299 - 2355	ND*
Spinosad A	29 - 2355	ND*
Spinosad D	80 - 2355	ND*
Spiromesifen	>298	ND*
Spirotetramat	>269	ND*
Spiroxamine 1	19 - 2355	ND*
Spiroxamine 2	24 - 2355	ND*
Tebuconazole	299 - 2355	ND*
Thiacloprid	42 - 2355	ND*
Thiamethoxam	46 - 2355	ND*
Trifloxystrobin	43 - 2355	ND*

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

N/A
0

FINAL APPROVAL

Tyler Wiese
19-Jan-2021
6:54 PM

PREPARED BY / DATE

Ben Minton
19-Jan-2021
8:00 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

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

Organic CBD Sparkling Water Blood Orange 20mg

Batch ID:	01221	**Test ID:**	T000118917
Type:	Unit	**Submitted:**	01/13/2021 @ 10:47 AM
Test:	Metals	**Started:**	1/18/2021
Method:	TM19	**Reported:**	1/19/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.072 - 7.24	ND
Cadmium	0.070 - 6.97	ND
Mercury	0.072 - 7.20	ND
Lead	0.084 - 8.40	ND

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

FINAL APPROVAL

Samantha Smith
Sam Smith
19-Jan-2021
4:00 PM

PREPARED BY / DATE

Ben Minton
Ben Minton
19-Jan-2021
6:28 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH
4472 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

Organic CBD Sparkling Water Blood Orange 20mg

Batch ID:	01221	**Test ID:**	T000118916
Type:	Edible	**Submitted:**	01/13/2021 @ 10:47 AM
Test:	Microbial Contaminants	**Started:**	1/14/2021
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	1/17/2021

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

Tori King
17-Jan-2021
10:03 AM
PREPARED BY / DATE

Greg Zimpfer
17-Jan-2021
8:30 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 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.

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