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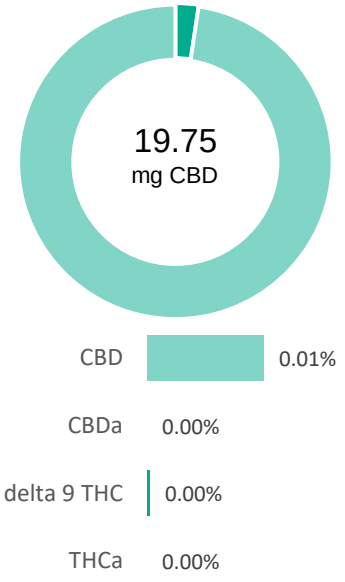
CERTIFICATE OF ANALYSIS

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

Organic CBD Sparkling Water Blood Orange 20mg

Batch ID:	01921	**Test ID:**	T000120264
Type:	Unit	**Submitted:**	01/21/2021 @ 10:47 AM
Test:	Potency	**Started:**	1/21/2021
Method:	TM14	**Reported:**	1/21/2021

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.33	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.38	0.48	0.0
Cannabidiolic acid (CBDA)	0.47	ND	ND
Cannabidiol (CBD)	0.45	19.75	0.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.42	ND	ND
Cannabinolic Acid (CBNA)	0.24	ND	ND
Cannabinol (CBN)	0.11	ND	ND
Cannabigerolic acid (CBGA)	0.35	ND	ND
Cannabigerol (CBG)	0.08	0.31	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.29	ND	ND
Tetrahydrocannabivarin (THCV)	0.08	ND	ND
Cannabidivarinic Acid (CBDVA)	0.19	ND	ND
Cannabidivarin (CBDV)	0.11	ND	ND
Cannabichromenic Acid (CBCA)	0.13	ND	ND
Cannabichromene (CBC)	0.15	0.23	0.0
Total Cannabinoids		**20.77**	**0.1**
Total Potential THC**		0.48	0.0
Total Potential CBD**		19.75	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

Tyler Wiese
21-Jan-2021
8:12 PM
PREPARED BY / DATE

Ben Minton
21-Jan-2021
9:29 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 OF ANALYSIS

prepared for: Beak and Skiff Research

4472 Cherry Valley Tpke
Lafayette, NY 13084

Organic CBD Sparkling Water Blood Orange 20mg

Batch ID:	01921	**Test ID:**	T000120265
Type:	Concentrate	**Submitted:**	01/21/2021 @ 10:47 AM
Test:	Pesticides	**Started:**	1/26/2021
Method:	TM17	**Reported:**	1/27/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	42 - 2426	ND*
Acetamiprid	41 - 2426	ND*
Abamectin	>303	ND*
Azoxystrobin	43 - 2426	ND*
Bifenazate	36 - 2426	ND*
Boscalid	48 - 2426	ND*
Carbaryl	43 - 2426	ND*
Carbofuran	41 - 2426	ND*
Chlorantraniliprole	43 - 2426	ND*
Chlorpyrifos	57 - 2426	ND*
Clofentezine	294 - 2426	ND*
Diazinon	296 - 2426	ND*
Dichlorvos	>280	ND*
Dimethoate	44 - 2426	ND*
E-Fenpyroximate	291 - 2426	ND*
Etofenprox	40 - 2426	ND*
Etoxazole	287 - 2426	ND*
Fenoxycarb	>45	ND*
Fipronil	27 - 2426	ND*
Flonicamid	51 - 2426	ND*
Fludioxonil	>309	ND*
Hexythiazox	42 - 2426	ND*
Imazalil	285 - 2426	ND*
Imidacloprid	46 - 2426	ND*
Kresoxim-methyl	50 - 2426	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	295 - 2426	ND*
Metalaxyl	47 - 2426	ND*
Methiocarb	45 - 2426	ND*
Methomyl	44 - 2426	ND*
MGK 264 1	175 - 2426	ND*
MGK 264 2	119 - 2426	ND*
Myclobutanil	41 - 2426	ND*
Naled	50 - 2426	ND*
Oxamyl	44 - 2426	ND*
Paclobutrazol	43 - 2426	ND*
Permethrin	304 - 2426	ND*
Phosmet	44 - 2426	ND*
Prophos	293 - 2426	ND*
Propoxur	44 - 2426	ND*
Pyridaben	289 - 2426	ND*
Spinosad A	29 - 2426	ND*
Spinosad D	79 - 2426	ND*
Spiromesifen	>272	ND*
Spirotetramat	>293	ND*
Spiroxamine 1	20 - 2426	ND*
Spiroxamine 2	23 - 2426	ND*
Tebuconazole	286 - 2426	ND*
Thiacloprid	45 - 2426	ND*
Thiamethoxam	45 - 2426	ND*
Trifloxystrobin	43 - 2426	ND*

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

N/A

FINAL APPROVAL

Tyler Wiese
27-Jan-2021
2:12 PM

PREPARED BY / DATE

Ben Minton
27-Jan-2021
2:26 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:	01921	**Test ID:**	T000120267
Type:	Other	**Submitted:**	01/21/2021 @ 10:47 AM
Test:	Metals	**Started:**	1/22/2021
Method:	TM19	**Reported:**	1/25/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.081 - 8.05	ND
Cadmium	0.075 - 7.51	ND
Mercury	0.077 - 7.67	ND
Lead	0.093 - 9.28	ND

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

FINAL APPROVAL

Ryan Weems
25-Jan-2021
12:26 PM

PREPARED BY / DATE

Greg Zimpfer
25-Jan-2021
2:42 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:	01921	**Test ID:**	T000120266
Type:	Edible	**Submitted:**	01/21/2021 @ 10:47 AM
Test:	Microbial Contaminants	**Started:**	1/22/2021
Method:	TM24, TM25, TM26, TM27, TM28	**Reported:**	1/25/2021

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

Robert Belfon
25-Jan-2021
3:50 PM

PREPARED BY / DATE

Greg Zimpfer
25-Jan-2021
4:44 PM

APPROVED BY / DATE

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