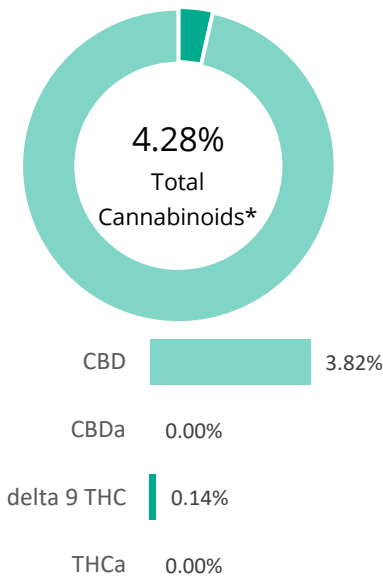


Organic 1000mg Tincture *Full Spec Analysis

Batch ID:	O364681	Test ID:	T000146799
Type:	Concentrate	Submitted:	06/17/2021 @ 10:36 AM
Test:	Potency	Started:	6/17/2021
Method:	TM14	Reported:	6/17/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	0.14	1.4
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.01	3.82	38.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	0.01	0.1
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.00	0.14	1.4
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	0.01	0.1
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	0.16	1.6
Total Cannabinoids		4.28	42.8
Total Potential THC**		0.14	1.4
Total Potential CBD**		3.82	38.2

NOTES:

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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

FINAL APPROVAL

 Rvan Weems 17-Jun-2021 3:07 PM	 Sam Smith 17-Jun-2021 3:15 PM
PREPARED BY / DATE	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

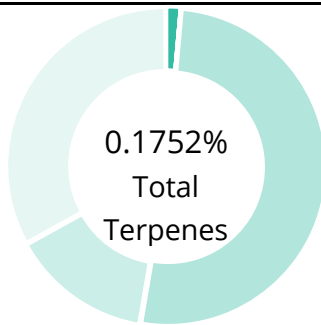


Certificate #4329.02

Organic 1000mg Tincture *Full Spec Analysis

Batch ID:	O364681	Test ID:	T000139633
Type:	Concentrate	Submitted:	05/10/2021 @ 12:20 PM
Test:	Terpenes	Started:	5/14/2021
Method:	TM22	Reported:	5/17/2021

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0516	0.516
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.0801	0.801
(-)-Caryophyllene Oxide	0.0136	0.136
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0223	0.223
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0000	0.000
beta-Myrcene	0.0022	0.022
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0024	0.024
Ocimene	0.0000	0.000
beta-Ocimene	0.0000	0.000
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0000	0.000
gamma-Terpinene	0.0000	0.000
Terpinolene	0.0030	0.030
	0.1752	1.752

PREDOMINANT TERPENES

alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0022
delta-3-Carene	0.0000
alpha-Terpinene	0.0000
d-Limonene	0.0000
Linalool	0.0000
beta-Caryophyllene	0.0801
alpha-Humulene	0.0223
(-)-alpha-Bisabolol	0.0516

NOTES:

N/A

FINAL APPROVAL



 Daniel Weidensaul
 17-May-2021
 5:17 PM



 Ryan Weems
 17-May-2021
 5:19 PM

PREPARED BY / DATE

APPROVED BY / DATE

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A2LA Certificate Number 4329.02



Certificate #4329.02

Organic 1000mg Tincture *Full Spec Analysis

Batch ID:	O364681	Test ID:	T000139636
Type:	Other	Submitted:	05/10/2021 @ 12:20 PM
Test:	Metals	Started:	5/12/2021
Method:	TM19	Reported:	5/13/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.044 - 4.37	ND
Cadmium	0.043 - 4.27	ND
Mercury	0.042 - 4.23	ND
Lead	0.042 - 4.17	ND

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

FINAL APPROVAL

Daniel Weidensaul
13-May-2021
3:56 PMSam Smith
13-May-2021
4:09 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Organic 1000mg Tincture *Full Spec Analysis

Batch ID:	O364681	Test ID:	T000139637
Type:	Concentrate	Submitted:	05/10/2021 @ 12:20 PM
Test:	Residual Solvents	Started:	5/13/2021
Method:	TM04	Reported:	5/13/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	80 - 1608	*ND
Butanes (Isobutane, n-Butane)	153 - 3051	*ND
Methanol	60 - 1193	*ND
Pentane	82 - 1646	*ND
Ethanol	91 - 1812	*ND
Acetone	92 - 1831	*ND
Isopropyl Alcohol	107 - 2137	*ND
Hexane	6 - 111	*ND
Ethyl Acetate	94 - 1879	*ND
Benzene	0.2 - 3.8	*ND
Heptanes	88 - 1762	*ND
Toluene	17 - 348	*ND
Xylenes (m,p,o-Xylenes)	131 - 2619	*ND

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


NOTES:

N/A

FINAL APPROVAL


Ryan Weems
13-May-2021
3:35 PM

PREPARED BY / DATE


Daniel Weidensaul
13-May-2021
3:36 PM

APPROVED BY / DATE

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Certificate #4329.02

Organic 1000mg Tincture *Full Spec Analysis

Batch ID:	O364681	Test ID:	T000139634
Type:	Concentrate	Submitted:	05/10/2021 @ 12:20 PM
Test:	Pesticides	Started:	5/13/2021
Method:	TM17	Reported:	5/14/2021


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	43 - 2467	ND*	Malathion	285 - 2467	ND*
Acetamiprid	42 - 2467	ND*	Metalaxyl	39 - 2467	ND*
Abamectin	>346	ND*	Methiocarb	41 - 2467	ND*
Azoxystrobin	41 - 2467	ND*	Methomyl	44 - 2467	ND*
Bifenazate	27 - 2467	ND*	MGK 264 1	157 - 2467	ND*
Boscalid	41 - 2467	ND*	MGK 264 2	108 - 2467	ND*
Carbaryl	41 - 2467	ND*	Myclobutanil	44 - 2467	ND*
Carbofuran	43 - 2467	ND*	Naled	38 - 2467	ND*
Chlorantraniliprole	40 - 2467	ND*	Oxamyl	43 - 2467	ND*
Chlorpyrifos	39 - 2467	ND*	Paclobutrazol	44 - 2467	ND*
Clofentezine	265 - 2467	ND*	Permethrin	284 - 2467	ND*
Diazinon	271 - 2467	ND*	Phosmet	42 - 2467	ND*
Dichlorvos	>271	ND*	Prophos	283 - 2467	ND*
Dimethoate	42 - 2467	ND*	Propoxur	41 - 2467	ND*
E-Fenpyroximate	324 - 2467	ND*	Pyridaben	319 - 2467	ND*
Etofenprox	42 - 2467	ND*	Spinosad A	26 - 2467	ND*
Etoxazole	281 - 2467	ND*	Spinosad D	75 - 2467	ND*
Fenoxycarb	>41	ND*	Spiromesifen	>287	ND*
Fipronil	47 - 2467	ND*	Spirotetramat	>277	ND*
Flonicamid	49 - 2467	ND*	Spiroxamine 1	17 - 2467	ND*
Fludioxonil	>275	ND*	Spiroxamine 2	23 - 2467	ND*
Hexythiazox	38 - 2467	ND*	Tebuconazole	294 - 2467	ND*
Imazalil	266 - 2467	ND*	Thiacloprid	43 - 2467	ND*
Imidacloprid	46 - 2467	ND*	Thiamethoxam	43 - 2467	ND*
Kresoxim-methyl	39 - 2467	ND*	Trifloxystrobin	42 - 2467	ND*


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

N/A

FINAL APPROVAL


 Taylor Brevik
 14-May-2021
 12:17 PM

PREPARED BY / DATE


 Sam Smith
 14-May-2021
 12:36 PM

APPROVED BY / DATE

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Organic 1000mg Tincture *Full Spec Analysis

Batch ID:	O364681	Test ID:	T000139635
Type:	Edible	Submitted:	05/10/2021 @ 12:20 PM
Test:	Microbial Contaminants	Started:	5/11/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	5/14/2021

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


Robert Belfon
14-May-2021
4:02 PM

PREPARED BY / DATE


Sarah Henning
14-May-2021
4:13 PM

APPROVED BY / DATE

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Certificate #4329.03