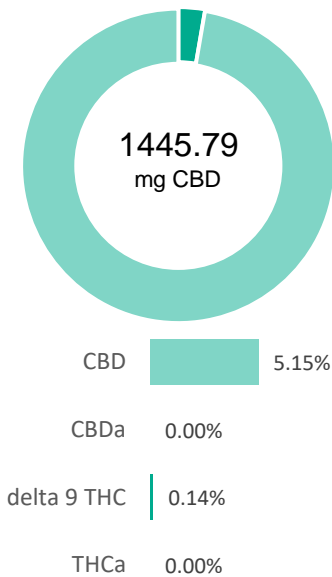


RR Tincture 1500

Batch ID: RR002	Test ID: T000116610
Type: Unit	Submitted: 12/23/2020 @ 11:25 AM
Test: Potency	Started: 12/28/2020
Method: TM14	Reported: 12/29/2020

CANNABINOID PROFILE



Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	3.45	12.50	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	3.89	14.11	40.38	1.4
Cannabidiolic acid (CBDA)	5.38	14.05	ND	ND
Cannabidiol (CBD)	5.25	13.70	1445.79	51.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	4.28	15.53	6.78***	0.2****
Cannabinolic Acid (CBNA)	2.45	8.90	ND	ND
Cannabinol (CBN)	1.12	4.07	9.11	0.3
Cannabigerolic acid (CBGA)	3.59	13.04	ND	ND
Cannabigerol (CBG)	0.86	3.12	7.73	0.3
Tetrahydrocannabivarinic Acid (THCVA)	3.04	11.03	ND	ND
Tetrahydrocannabivarin (THCV)	0.78	2.84	ND	ND
Cannabidivarinic Acid (CBDVA)	2.24	5.86	ND	ND
Cannabidivarin (CBDV)	1.24	3.24	4.14	0.1
Cannabichromenic Acid (CBCA)	1.39	5.02	ND	ND
Cannabichromene (CBC)	1.51	5.49	76.37	2.7
Total Cannabinoids			1590.30	56.7
Total Potential THC**			40.38	1.4
Total Potential CBD**			1445.79	51.5



% = % (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))
 ***Analyte detected. Value below defined Limit of Quantitation.
 ND = None Detected (Defined by Dynamic Range of the method)

NOTES:

of Servings = 1, Sample Weight=28.05g

N/A

FINAL APPROVAL

	Tyler Wiese 29-Dec-2020 2:19 PM		Ben Minton 29-Dec-2020 2:35 PM
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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

RugFPTH01

Batch ID:	N/A	Test ID:	T000115233
Type:	Concentrate	Submitted:	12/15/2020 @ 08:04 AM
Test:	Microbial Contaminants	Started:	12/16/2020
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	12/20/2020

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

FINAL APPROVAL


Robert Belfon
19-Dec-2020
7:10 PM

PREPARED BY / DATE


Ben Minton
20-Dec-2020
11:43 AM

APPROVED BY / DATE

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Certificate #4329.03

RugFPTH01

Batch ID:		Test ID:	T000115232
Type:	Concentrate	Submitted:	12/15/2020 @ 08:04 AM
Test:	Residual Solvents	Started:	12/17/2020
Method:	TM04	Reported:	12/17/2020

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	100 - 2004	*ND
Butanes (Isobutane, n-Butane)	189 - 3771	*ND
Methanol	56 - 1128	*ND
Pentane	93 - 1852	*ND
Ethanol	92 - 1841	*ND
Acetone	91 - 1821	*ND
Isopropyl Alcohol	93 - 1859	*ND
Hexane	6 - 111	*ND
Ethyl Acetate	91 - 1812	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	92 - 1832	*ND
Toluene	16 - 328	*ND
Xylenes (m,p,o-Xylenes)	118 - 2366	*ND


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

 NOTES:
N/A

FINAL APPROVAL

 Sam Smith
17-Dec-2020
5:02 PM

PREPARED BY / DATE


 Ben Minton
17-Dec-2020
7:28 PM

APPROVED BY / DATE

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Certificate #4329.02

RugFPTH01


Batch ID:		Test ID:	T000115234
Type:	Concentrate	Submitted:	12/15/2020 @ 08:04 AM
Test:	Pesticides	Started:	12/15/2020
Method:	TM17	Reported:	12/17/2020

PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	45 - 2395	ND*	Malathion	285 - 2395	ND*
Acetamiprid	41 - 2395	ND*	Metalaxyl	47 - 2395	ND*
Abamectin	>316	ND*	Methiocarb	43 - 2395	ND*
Azoxystrobin	44 - 2395	ND*	Methomyl	45 - 2395	ND*
Bifenazate	29 - 2395	ND*	MGK 264 1	152 - 2395	ND*
Boscalid	49 - 2395	ND*	MGK 264 2	121 - 2395	ND*
Carbaryl	40 - 2395	ND*	Myclobutanil	41 - 2395	ND*
Carbofuran	41 - 2395	ND*	Naled	51 - 2395	ND*
Chlorantraniliprole	51 - 2395	ND*	Oxamyl	45 - 2395	ND*
Chlorpyrifos	41 - 2395	ND*	Paclobutrazol	44 - 2395	ND*
Clofentezine	279 - 2395	ND*	Permethrin	302 - 2395	ND*
Diazinon	298 - 2395	ND*	Phosmet	44 - 2395	ND*
Dichlorvos	>288	ND*	Prophos	300 - 2395	ND*
Dimethoate	43 - 2395	ND*	Propoxur	41 - 2395	ND*
E-Fenpyroximate	222 - 2395	ND*	Pyridaben	276 - 2395	ND*
Etofenprox	41 - 2395	ND*	Spinosad A	28 - 2395	ND*
Etoxazole	283 - 2395	ND*	Spinosad D	76 - 2395	ND*
Fenoxycarb	>39	ND*	Spiromesifen	>243	ND*
Fipronil	34 - 2395	ND*	Spirotetramat	>272	ND*
Flonicamid	34 - 2395	ND*	Spiroxamine 1	18 - 2395	ND*
Fludioxonil	>328	ND*	Spiroxamine 2	23 - 2395	ND*
Hexythiazox	42 - 2395	ND*	Tebuconazole	317 - 2395	ND*
Imazalil	286 - 2395	ND*	Thiacloprid	42 - 2395	ND*
Imidacloprid	45 - 2395	ND*	Thiamethoxam	45 - 2395	ND*
Kresoxim-methyl	45 - 2395	ND*	Trifloxystrobin	42 - 2395	ND*

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

N/A

FINAL APPROVAL

 Taylor Brevik
 17-Dec-2020
 11:13 AM

PREPARED BY / DATE


 Ben Minton
 17-Dec-2020
 6:54 PM

APPROVED BY / DATE

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RugFPTH01


Batch ID:	N/A	Test ID:	T000115235
Type:	Concentrate	Submitted:	12/15/2020 @ 08:04 AM
Test:	Metals	Started:	12/15/2020
Method:	TM19	Reported:	12/16/2020

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.051 - 5.14	ND
Cadmium	0.056 - 5.56	ND
Mercury	0.055 - 5.53	ND
Lead	0.055 - 5.52	ND

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

FINAL APPROVAL


Ryan Weems
16-Dec-2020
11:31 AM

PREPARED BY / DATE


Greg Zimpfer
16-Dec-2020
3:21 PM

APPROVED BY / DATE

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