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CERTIFICATE OF ANALYSIS

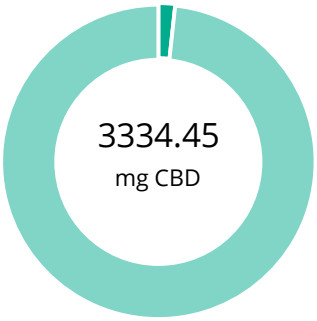
prepared for: Be Rooted Botanicals

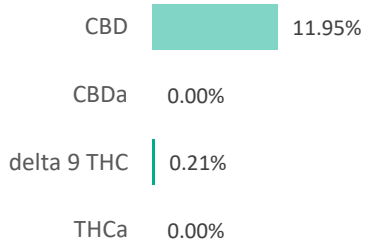
6116 Highway 9 STE 6A
Felton, CA 95018-9709

UFDR-FS-3000-032022

Batch ID:	1	**Test ID:**	T000196230
Type:	Unit	**Submitted:**	03/04/2022 @ 09:24 AM
Test:	Potency	**Started:**	3/7/2022
Method:	TM14 (HPLC-DAD)	**Reported:**	3/8/2022

CANNABINOID PROFILE





Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	10.19	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	11.50	58.15	2.1
Cannabidiolic acid (CBDA)	14.26	ND	ND
Cannabidiol (CBD)	13.90	3334.45	119.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	12.66	ND	ND
Cannabinolic Acid (CBNA)	7.25	ND	ND
Cannabinol (CBN)	3.32	13.37	0.5
Cannabigerolic acid (CBGA)	10.63	ND	ND
Cannabigerol (CBG)	2.54	31.07	1.1
Tetrahydrocannabivarinic Acid (THCVA)	8.98	ND	ND
Tetrahydrocannabivarin (THCV)	2.31	ND	ND
Cannabidivarinic Acid (CBDVA)	5.95	ND	ND
Cannabidivarin (CBDV)	3.29	25.36	0.9
Cannabichromenic Acid (CBCA)	4.09	ND	ND
Cannabichromene (CBC)	4.48	78.19	2.8
Total Cannabinoids		**3540.59**	**126.9**
Total Potential THC**		58.15	2.1
Total Potential CBD**		3334.45	119.5

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

NOTES:
# of Servings = 1, Sample Weight=27.9g

FINAL APPROVAL

Iacob Miller 8-Mar-2022 3:11 PM	Hannah Wright 8-Mar-2022 3:18 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

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Certificate #4329.02

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CERTIFICATE OF ANALYSIS

Prepared for:

UFDR-FS-3000-032022

Be Rooted Botanicals

Batch ID or Lot Number:	Test:	Reported:	Location:
1	**Residual Solvents**	**3/7/22**	6116 Highway 9 STE 6A Felton, CA 95018-9709

Matrix:	Test ID:	Started:	USDA License:
N/A	T000196234	3/7/22	N/A

Status:	Methods:	Received:	Sampler ID:
N/A	TM04 (GC-MS): Residual Solvents	03/04/2022 @ 09:24 AM	N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	76 - 1520	*ND
Butanes (Isobutane, n-Butane)	154 - 3071	*ND
Methanol	58 - 1156	*ND
Pentane	82 - 1633	*ND
Ethanol	81 - 1630	*ND
Acetone	87 - 1744	*ND
Isopropyl Alcohol	99 - 1985	*ND
Hexane	6 - 118	*ND
Ethyl Acetate	104 - 2088	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	84 - 1689	*ND
Toluene	17 - 331	*ND
Xylenes (m,p,o-Xylenes)	113 - 2262	*ND

Notes

Hannah Wright
7-Mar-22
3:44 PM

PREPARED BY / DATE

Sam Smith
7-Mar-22
3:50 PM

APPROVED BY / DATE

Definitions

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

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.

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CERTIFICATE OF ANALYSIS

prepared for: BE ROOTED BOTANICALS
6116 HIGHWAY 9 STE 6A
FELTON, CA 95018-9709

UFDR-FS-3000-032022

Batch ID:	1	**Test ID:**	T000196232
Matrix:	Finished Product	**Received:**	03/04/2022 @ 09:24 AM
Test:	Microbial Contaminants	**Started:**	3/4/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	**Reported:**	3/7/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10^1 CFU/g	1.0x10^2 - 1.5x10^4 CFU/g	**None Detected**
Total Aerobic Count*	TM-26 Culture Plating	10^2 CFU/g	1.0x10^3 - 1.5x10^5 CFU/g	**None Detected**
Total Coliforms*	TM-27 Culture Plating	10^1 CFU/g	1.0x10^2 - 1.5x10^4 CFU/g	**None Detected**
STEC	TM-25 PCR	10^0 CFU/g	N/A	**Absent**
Salmonella	TM-25 PCR	10^0 CFU/g	N/A	**Absent**

** 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

DEFINITIONS:
CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL

Eden Thompson-Wright
3/7/2022
3:57:00 PM
PREPARED BY / DATE

Jackson Osaghae-Nosa
3/7/2022
4:24:00 PM
APPROVED BY / DATE

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Prepared for:

Be Rooted Botanicals

6116 Highway 9 STE 6A
Felton, CA USA 95018-9709

UFDR-FS-3000-032022

Batch ID or Lot Number:	Test:	Reported:	USDA License:
1	**Heavy Metals**	**09Mar2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000196233	08Mar2022	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	04Mar2022	NA

Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.21	ND	
Cadmium	0.04 - 4.31	ND	
Mercury	0.04 - 4.17	ND	
Lead	0.04 - 4.19	ND	

Final Approval

Daniel Weidensaul
09Mar2022
12:29:00 PM MST

PREPARED BY / DATE

Ryan Weems
09Mar2022
12:33:00 PM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/264b58a5-7332-4c90-9b05-167ef3dd057d

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Cert #4329.02

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Prepared for:

Be Rooted Botanicals

6116 Highway 9 STE 6A
Felton, CA USA 95018-9709

UFDR-FS-3000-032022

Batch ID or Lot Number:	Test:	Reported:	USDA License:
1	**Pesticides**	**10Mar2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000196231	09Mar2022	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	04Mar2022	NA

Pesticides

	Dynamic Range (ppb)	**Result** (ppb)
Abamectin	272 - 2555	ND
Acephate	38 - 2647	ND
Acetamiprid	37 - 2674	ND
Azoxystrobin	43 - 2680	ND
Bifenazate	40 - 2702	ND
Boscalid	54 - 2802	ND
Carbaryl	40 - 2714	ND
Carbofuran	45 - 2773	ND
Chlorantraniliprole	64 - 2669	ND
Chlorpyrifos	38 - 2684	ND
Clofentezine	271 - 2731	ND
Diazinon	278 - 2719	ND
Dichlorvos	278 - 2710	ND
Dimethoate	40 - 2725	ND
E-Fenpyroximate	289 - 2690	ND
Etofenprox	42 - 2695	ND
Etoxazole	293 - 2711	ND
Fenoxycarb	41 - 2695	ND
Fipronil	44 - 2702	ND
Flonicamid	49 - 2627	ND
Fludioxonil	285 - 2786	ND
Hexythiazox	40 - 2692	ND
Imazalil	254 - 2718	ND
Imidacloprid	44 - 2757	ND
Kresoxim-methyl	52 - 2704	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	294 - 2701	ND
Metalaxyl	42 - 2777	ND
Methiocarb	41 - 2778	ND
Methomyl	38 - 2653	ND
MGK 264 1	169 - 1632	ND
MGK 264 2	114 - 1110	ND
Myclobutanil	38 - 2749	ND
Naled	49 - 2759	ND
Oxamyl	37 - 2664	ND
Paclobutrazol	40 - 2682	ND
Permethrin	290 - 2726	ND
Phosmet	35 - 2691	ND
Prophos	276 - 2729	ND
Propoxur	39 - 2737	ND
Pyridaben	288 - 2670	ND
Spinosad A	33 - 2243	ND
Spinosad D	45 - 495	ND
Spiromesifen	266 - 2680	ND
Spirotetramat	269 - 2686	ND
Spiroxamine 1	11 - 1171	ND
Spiroxamine 2	22 - 1530	ND
Tebuconazole	279 - 2698	ND
Thiacloprid	41 - 2692	ND
Thiamethoxam	44 - 2756	ND
Trifloxystrobin	42 - 2740	ND

Final Approval

Samantha Smith

Sam Smith
10Mar2022
09:06:00 AM MST

PREPARED BY / DATE

K Winternheimer

Karen Winternheimer
10Mar2022
09:09:00 AM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/db799f61-02ba-40f3-933a-cc1335ab7508

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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