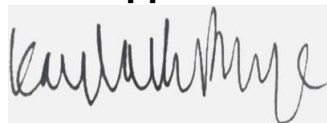


Prepared for:

Be Rooted Botanicals6116 Highway 9 STE 6A
Felton, CA USA 95018-9709**UFDR-FS-3000-072022**

Batch ID or Lot Number: 1	Test: Heavy Metals	Reported: 14Jul2022	USDA License: NA
Matrix: Unit	Test ID: T000213636	Started: 13Jul2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 12Jul2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.52	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 5.25	ND	
Lead	0.04 - 4.25	ND	

Final ApprovalKayla Phye
14Jul2022
04:20:00 PM MDT

PREPARED BY / DATE

Daniel Weidensaul
14Jul2022
04:22:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/8fe1274b-3759-4b64-a0dd-802c51a4aff9>**Definitions**ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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 17025:2017 Accredited by A2LA.

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Prepared for:

Be Rooted Botanicals

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

UFDR-FS-3000-072022

Batch ID or Lot Number: 1	Test: Microbial Contaminants	Reported: 15Jul2022	USDA License: NA
Matrix: Finished Product	Test ID: T000213635	Started: 12Jul2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 12Jul2022	Status: NA

Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



 Brett Hudson
 15Jul2022
 10:14:00 AM MDT



 Eden Thompson-Wright
 15Jul2022
 10:31:00 AM MDT


PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/28680149-d86d-4c65-b24c-06f393f6b09a>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
 STEC = Shiga Toxin-Producing E. coli

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 Cert #4329.02
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Prepared for:
Be Rooted Botanicals

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

UFDR-FS-3000-072022

Batch ID or Lot Number: 1	Test: Pesticides	Reported: 18Jul2022	USDA License: NA
Matrix: Concentrate	Test ID: T000213634	Started: 15Jul2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 12Jul2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	207 - 2684	ND	Malathion	291 - 2735	ND
Acephate	41 - 2818	ND	Metalaxyl	45 - 2749	ND
Acetamiprid	41 - 2742	ND	Methiocarb	41 - 2805	ND
Azoxystrobin	43 - 2730	ND	Methomyl	40 - 2778	ND
Bifenazate	42 - 2729	ND	MGK 264 1	174 - 1615	ND
Boscalid	48 - 2829	ND	MGK 264 2	106 - 1155	ND
Carbaryl	40 - 2740	ND	Myclobutanil	14 - 2811	ND
Carbofuran	39 - 2736	ND	Naled	45 - 2776	ND
Chlorantraniliprole	45 - 2819	ND	Oxamyl	40 - 2744	ND
Chlorpyrifos	39 - 2730	ND	Pacllobutrazol	42 - 2733	ND
Clofentezine	285 - 2736	ND	Permethrin	271 - 2736	ND
Diazinon	284 - 2760	ND	Phosmet	43 - 2747	ND
Dichlorvos	267 - 2755	ND	Prophos	298 - 2791	ND
Dimethoate	40 - 2725	ND	Propoxur	42 - 2728	ND
E-Fenpyroximate	286 - 2734	ND	Pyridaben	278 - 2696	ND
Etofenprox	42 - 2726	ND	Spinosad A	34 - 2262	ND
Etoxazole	282 - 2714	ND	Spinosad D	46 - 500	ND
Fenoxycarb	42 - 2741	ND	Spiromesifen	243 - 2742	ND
Fipronil	38 - 2747	ND	Spirotetramat	306 - 2720	ND
Flonicamid	51 - 2693	ND	Spiroxamine 1	18 - 1213	ND
Fludioxonil	304 - 2798	ND	Spiroxamine 2	25 - 1602	ND
Hexythiazox	41 - 2769	ND	Tebuconazole	297 - 2778	ND
Imazalil	276 - 2816	ND	Thiacloprid	41 - 2722	ND
Imidacloprid	46 - 2718	ND	Thiamethoxam	44 - 2766	ND
Kresoxim-methyl	46 - 2818	ND	Trifloxystrobin	44 - 2742	ND

Final Approval



Daniel Weidensaul
18Jul2022
10:22:00 AM MDT

PREPARED BY / DATE



Sam Smith
18Jul2022
10:25:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/5beb16b5-292a-4836-b852-d73dbbd12926>

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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Prepared for:
Be Rooted Botanicals


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


UFDR-FS-3000-072022

Batch ID or Lot Number: 1	Test: Potency	Reported: 15Jul2022	USDA License: N/A
Matrix: Solution	Test ID: T000213633	Started: 14Jul2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 12Jul2022	Status: N/A

Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.206	0.619	2.570	2.80	Density = 0.93g/mL
Cannabichromenic Acid (CBCA)	0.188	0.566	ND	ND	
Cannabidiol (CBD)	0.529	1.617	103.750	111.60	
Cannabidiolic Acid (CBDA)	0.542	1.659	ND	ND	
Cannabidivarin (CBDV)	0.125	0.383	0.240	0.30	
Cannabidivarinic Acid (CBDVA)	0.226	0.692	ND	ND	
Cannabigerol (CBG)	0.117	0.351	1.320	1.40	
Cannabigerolic Acid (CBGA)	0.489	1.469	ND	ND	
Cannabinol (CBN)	0.153	0.458	0.690	0.70	
Cannabinolic Acid (CBNA)	0.333	1.002	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.582	1.750	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.529	1.589	1.700	1.80	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.469	1.408	ND	ND	
Tetrahydrocannabivarin (THCV)	0.106	0.320	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.413	1.242	ND	ND	
Total Cannabinoids			110.270	118.57	
Total Potential THC			1.700	1.83	
Total Potential CBD			103.750	111.56	

Final Approval


PREPARED BY / DATE
Sam Smith
15Jul2022
12:47:00 PM MDT


APPROVED BY / DATE
Karen Winternheimer
15Jul2022
12:50:00 PM MDT



<https://results.botanacor.com/api/v1/coas/uuid/36843424-1295-4acf-bf02-0d7aba320bbc>

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

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3684342412954acfbf020d7aba320bbc.1

Prepared for:
Be Rooted Botanicals

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

UFDR-FS-3000-072022

Batch ID or Lot Number: 1	Test: Residual Solvents	Reported: 14Jul2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000213637	Started: 14Jul2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 12Jul2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	57 - 1131	ND	
Butanes (Isobutane, n-Butane)	119 - 2389	ND	
Methanol	47 - 936	ND	
Pentane	67 - 1338	ND	
Ethanol	68 - 1361	ND	
Acetone	75 - 1501	ND	
Isopropyl Alcohol	81 - 1617	ND	
Hexane	5 - 92	ND	
Ethyl Acetate	77 - 1534	ND	
Benzene	0.2 - 3.1	ND	
Heptanes	74 - 1481	ND	
Toluene	14 - 277	ND	
Xylenes (m,p,o-Xylenes)	102 - 2041	ND	

Final Approval



Jacob Miller
14Jul2022
05:24:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
14Jul2022
05:24:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0a9b9664-5841-4ad8-b48e-c478e21b6214>

Definitions

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

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