

Prepared for:

**Be Rooted Botanicals**

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


**UFDR-FS-3000-102022**

Batch ID or Lot Number: <b>1</b>	Test: <b>Heavy Metals</b>	Reported: <b>31Oct2022</b>	USDA License: NA
Matrix: Unit	Test ID: T000225724	Started: 27Oct2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 25Oct2022	Status: NA

## Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 3.95	ND	
Cadmium	0.04 - 4.02	ND	
Mercury	0.04 - 4.26	ND	
Lead	0.04 - 4.40	ND	

## Final Approval



Sam Smith  
31Oct2022  
08:23:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
31Oct2022  
08:28:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f20b8a8f-aae5-4301-92ca-e6893b5bd3d7>

### 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 SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



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## Be Rooted Botanicals

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

### UFDR-FS-3000-102022

Batch ID or Lot Number: <b>1</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>01Nov2022</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000225723	Started: 27Oct2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 25Oct2022	Status: NA

### Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

### Final Approval



Brett Hudson  
30Oct2022  
11:20:00 AM MDT

PREPARED BY / DATE



Brianne Maillot  
01Nov2022  
09:42:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f938851c-f0fb-4b76-9e08-8efa141e59d4>

#### 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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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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**Be Rooted Botanicals**

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

## UFDR-FS-3000-102022

Batch ID or Lot Number: <b>1</b>	Test: <b>Pesticides</b>	Reported: <b>29Oct2022</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000225722	Started: 28Oct2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 25Oct2022	Status: NA


Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	318 - 2745	ND	Malathion	286 - 2743	ND
Acephate	41 - 2764	ND	Metalaxyl	38 - 2771	ND
Acetamiprid	39 - 2738	ND	Methiocarb	39 - 2738	ND
Azoxystrobin	40 - 2744	ND	Methomyl	38 - 2761	ND
Bifenazate	36 - 2738	ND	MGK 264 1	169 - 1610	ND
Boscalid	37 - 2740	ND	MGK 264 2	116 - 1114	ND
Carbaryl	38 - 2693	ND	Myclobutanil	47 - 2783	ND
Carbofuran	38 - 2698	ND	Naled	45 - 2724	ND
Chlorantraniliprole	40 - 2758	ND	Oxamyl	39 - 2753	ND
Chlorpyrifos	36 - 2762	ND	Pacllobutrazol	41 - 2677	ND
Clofentezine	280 - 2722	ND	Permethrin	296 - 2750	ND
Diazinon	276 - 2751	ND	Phosmet	37 - 2752	ND
Dichlorvos	269 - 2783	ND	Prophos	302 - 2738	ND
Dimethoate	38 - 2733	ND	Propoxur	38 - 2700	ND
E-Fenpyroximate	300 - 2707	ND	Pyridaben	292 - 2656	ND
Etofenprox	40 - 2716	ND	Spinosad A	30 - 2241	ND
Etoazole	297 - 2696	ND	Spinosad D	51 - 498	ND
Fenoxycarb	40 - 2744	ND	Spiromesifen	285 - 2742	ND
Fipronil	43 - 2785	ND	Spirotetramat	284 - 2760	ND
Flonicamid	45 - 2740	ND	Spiroxamine 1	17 - 1176	ND
Fludioxonil	288 - 2735	ND	Spiroxamine 2	18 - 1577	ND
Hexythiazox	38 - 2736	ND	Tebuconazole	285 - 2721	ND
Imazalil	281 - 2797	ND	Thiacloprid	40 - 2749	ND
Imidacloprid	44 - 2749	ND	Thiamethoxam	42 - 2747	ND
Kresoxim-methyl	39 - 2762	ND	Trifloxystrobin	41 - 2717	ND

## Final Approval



Karen Winternheimer  
29Oct2022  
02:02:00 PM MDT

PREPARED BY / DATE



Sam Smith  
29Oct2022  
02:04:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7721815c-e3bf-4ce0-b38c-221136f29666>

### 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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**Be Rooted Botanicals**

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Felton, CA USA 95018-9709


**UFDR-FS-3000-102022**

Batch ID or Lot Number: <b>1</b>	Test: <b>Potency</b>	Reported: <b>29Oct2022</b>	USDA License: N/A
Matrix: Solution	Test ID: T000225721	Started: 27Oct2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 25Oct2022	Status: N/A

## Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.211	0.609	<LOQ	<LOQ	Density = 0.93g/mL
Cannabichromenic Acid (CBCA)	0.193	0.557	ND	ND	
Cannabidiol (CBD)	0.545	1.681	97.870	105.20	
Cannabidiolic Acid (CBDA)	0.559	1.724	ND	ND	
Cannabidivarin (CBDV)	0.129	0.397	0.670	0.70	
Cannabidivarinic Acid (CBDVA)	0.233	0.719	ND	ND	
Cannabigerol (CBG)	0.120	0.346	1.230	1.30	
Cannabigerolic Acid (CBGA)	0.502	1.446	ND	ND	
Cannabinol (CBN)	0.157	0.451	ND	ND	
Cannabinolic Acid (CBNA)	0.342	0.987	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.598	1.723	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.543	1.565	1.720	1.80	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.481	1.386	ND	ND	
Tetrahydrocannabivarin (THCV)	0.109	0.315	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.424	1.223	ND	ND	
<b>Total Cannabinoids</b>			<b>101.490</b>	<b>109.00</b>	
Total Potential THC			1.720	1.85	
Total Potential CBD			97.870	105.24	

## Final Approval



Karen Winternheimer  
29Oct2022  
04:19:00 PM MDT

PREPARED BY / DATE



Sam Smith  
29Oct2022  
04:23:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/34638145-a20b-4993-a386-57d1567dd2e2>

### 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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Felton, CA USA 95018-9709

## UFDR-FS-3000-102022

Batch ID or Lot Number: <b>1</b>	Test: <b>Residual Solvents</b>	Reported: <b>27Oct2022</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000225725	Started: 26Oct2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 25Oct2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	93 - 1863	ND	
Butanes (Isobutane, n-Butane)	200 - 3998	ND	
Methanol	70 - 1390	ND	
Pentane	108 - 2160	ND	
Ethanol	114 - 2275	ND	
Acetone	108 - 2163	ND	
Isopropyl Alcohol	119 - 2386	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	113 - 2252	ND	
Benzene	0.2 - 4.5	ND	
Heptanes	111 - 2220	ND	
Toluene	20 - 404	ND	
Xylenes (m,p,o-Xylenes)	151 - 3025	ND	

## Final Approval



Karen Winternheimer  
27Oct2022  
09:44:00 AM MDT

PREPARED BY / DATE



Sam Smith  
27Oct2022  
09:45:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7ba772f4-e1bb-41ad-ba9b-3b952c484e40>

### Definitions

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