

CERTIFICATE OF ANALYSIS

Prepared for:
Be Rooted Botanicals

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

UFDR-FS-3000-082023

Batch ID or Lot Number: 1	Test: Potency	Reported: 02Aug2023	USDA License: N/A
Matrix: Unit	Test ID: T000250122	Started: 02Aug2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 31Jul2023	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	4.741	15.638	<LOQ	<LOQ	# of Servings = 1 Sample Weight=27.95g
Cannabichromenic Acid (CBCA)	4.337	14.303	ND	ND	
Cannabidiol (CBD)	15.172	40.959	3002.402	107.42	
Cannabidiolic Acid (CBDA)	15.561	42.010	ND	ND	
Cannabidivarin (CBDV)	3.588	9.687	28.210	1.01	
Cannabidivarinic Acid (CBDVA)	6.491	17.525	ND	ND	
Cannabigerol (CBG)	2.692	8.879	49.681	1.78	
Cannabigerolic Acid (CBGA)	11.253	37.116	ND	ND	
Cannabinol (CBN)	3.512	11.583	ND	ND	
Cannabinolic Acid (CBNA)	7.678	25.323	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	13.406	44.219	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	12.175	40.159	55.018	1.97	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	10.787	35.581	ND	ND	
Tetrahydrocannabivarin (THCV)	2.448	8.076	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	9.515	31.384	ND	ND	
Total Cannabinoids			3135.311	112.18	
Total Potential THC			55.018	1.97	
Total Potential CBD			3002.402	107.42	

Final Approval


Samantha Smith
02Aug2023
03:00:00 PM MDT

PREPARED BY / DATE


Karen Winternheimer
02Aug2023
03:05:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/759c49ec-4400-4b55-8f85-f9a3ff75f67c>

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)).

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.



Cert #4329.02

CDPHE Certified
759c49ec44004b558f85f9a3ff75f67c.1

CERTIFICATE OF ANALYSIS

Prepared for:

Be Rooted Botanicals


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

UFDR-FS-3000-082023

Batch ID or Lot Number: 1	Test: Heavy Metals	Reported: 07Aug2023	USDA License: NA
Matrix: Finished Product	Test ID: T000250125	Started: 07Aug2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 31Jul2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.70	ND	
Cadmium	0.05 - 4.60	ND	
Mercury	0.05 - 4.80	ND	
Lead	0.05 - 4.64	ND	

Final Approval



Sam Smith
07Aug2023
03:42:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
07Aug2023
03:45:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/847a4adf-bf29-43c5-9fc9-6cb02444d4ca>

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.



Cert #4329.02

CDPHE Certified

847a4adfbf2943c59fc96cb02444d4ca.1

CERTIFICATE OF ANALYSIS

Prepared for:
Be Rooted Botanicals

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

UFDR-FS-3000-082023

Batch ID or Lot Number: 1	Test: Microbial Contaminants	Reported: 03Aug2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000250124	Started: 31Jul2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 31Jul2023	Status: Active

Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	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



Brianne Maillot
03Aug2023
10:24:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright
03Aug2023
10:58:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7f111362-bf6f-4c95-89e5-56d3661aed94>

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

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.



Cert #4329.02

CDPHE Certified

7f111362bf6f4c9589e556d3661aed94.2

Prepared for:
Be Rooted Botanicals

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

UFDR-FS-3000-082023

Batch ID or Lot Number: 1	Test: Pesticides	Reported: 03Aug2023	USDA License: NA
Matrix: Concentrate	Test ID: T000250123	Started: 02Aug2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 31Jul2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	405 - 2594	ND	Malathion	303 - 2745	ND
Acephate	38 - 2739	ND	Metalaxyl	43 - 2698	ND
Acetamiprid	41 - 2701	ND	Methiocarb	40 - 2731	ND
Azoxystrobin	46 - 2690	ND	Methomyl	39 - 2736	ND
Bifenazate	42 - 2685	ND	MGK 264 1	185 - 1690	ND
Boscalid	42 - 2763	ND	MGK 264 2	112 - 1093	ND
Carbaryl	38 - 2710	ND	Myclobutanil	30 - 2725	ND
Carbofuran	44 - 2694	ND	Naled	41 - 2674	ND
Chlorantraniliprole	39 - 2719	ND	Oxamyl	40 - 2747	ND
Chlorpyrifos	41 - 2733	ND	Pacllobutrazol	43 - 2700	ND
Clofentezine	294 - 2738	ND	Permethrin	307 - 2723	ND
Diazinon	301 - 2710	ND	Phosmet	43 - 2685	ND
Dichlorvos	279 - 2725	ND	Prophos	317 - 2737	ND
Dimethoate	43 - 2691	ND	Propoxur	42 - 2716	ND
E-Fenpyroximate	308 - 2765	ND	Pyridaben	313 - 2703	ND
Etofenprox	43 - 2718	ND	Spinosad A	30 - 2095	ND
Etoxazole	318 - 2725	ND	Spinosad D	72 - 666	ND
Fenoxycarb	42 - 2714	ND	Spiromesifen	302 - 2737	ND
Fipronil	51 - 2692	ND	Spirotetramat	327 - 2733	ND
Flonicamid	43 - 2744	ND	Spiroxamine 1	17 - 1242	ND
Fludioxonil	320 - 2720	ND	Spiroxamine 2	21 - 1511	ND
Hexythiazox	43 - 2750	ND	Tebuconazole	318 - 2716	ND
Imazalil	296 - 2740	ND	Thiacloprid	40 - 2696	ND
Imidacloprid	42 - 2739	ND	Thiamethoxam	39 - 2740	ND
Kresoxim-methyl	44 - 2723	ND	Trifloxystrobin	42 - 2699	ND

Final Approval



Karen Winternheimer
03Aug2023
01:15:00 PM MDT

PREPARED BY / DATE



Sam Smith
03Aug2023
01:18:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6027b34c-b7cf-490c-a95a-b8c27ea4098f>

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

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.



Cert #4329.02
6027b34cb7cf490ca95ab8c27ea4098f.1

CERTIFICATE OF ANALYSIS

Prepared for:
Be Rooted Botanicals


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

UFDR-FS-3000-082023

Batch ID or Lot Number: 1	Test: Residual Solvents	Reported: 03Aug2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000250126	Started: 02Aug2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 31Jul2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	98 - 1950	ND	
Butanes (Isobutane, n-Butane)	191 - 3829	ND	
Methanol	59 - 1187	ND	
Pentane	96 - 1929	ND	
Ethanol	95 - 1904	ND	
Acetone	97 - 1942	ND	
Isopropyl Alcohol	99 - 1970	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	97 - 1931	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	97 - 1948	ND	
Toluene	18 - 351	ND	
Xylenes (m,p,o-Xylenes)	128 - 2560	ND	

Final Approval



Karen Winternheimer
03Aug2023
01:42:00 PM MDT

PREPARED BY / DATE



Sam Smith
03Aug2023
01:46:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f7c64f3c-2ab1-4ccc-a9a9-d79381941e6d>

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.



Cert #4329.02

CDPHE Certified

f7c64f3c2ab14ccca9a9d79381941e6d.1