

Prepared for:

Be Rooted Botanicals

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

UFDR-FS-3000-112023

Batch ID or Lot Number: UFDR-FS-3000-112023	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 08Nov2023	Started: 08Nov2023	Received: 06Nov2023	


Cannabinoids - Colorado Compliance

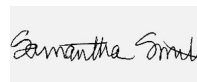
Test ID: T000260783

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	4.103	14.180	93.894	3.36	# of Servings = 1 Sample Weight=27.95g
Cannabichromenic Acid (CBCA)	3.753	12.970	ND	ND	
Cannabidiol (CBD)	14.170	37.304	3308.189	118.36	
Cannabidiolic Acid (CBDA)	14.534	38.261	ND	ND	
Cannabidivarin (CBDV)	3.351	8.823	14.595	0.52	
Cannabidivarinic Acid (CBDVA)	6.063	15.961	ND	ND	
Cannabigerol (CBG)	2.330	8.051	85.470	3.06	
Cannabigerolic Acid (CBGA)	9.738	33.657	ND	ND	
Cannabinol (CBN)	3.039	10.504	11.751	0.42	
Cannabinolic Acid (CBNA)	6.644	22.963	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	11.602	40.098	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	10.536	36.416	52.477	1.88	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	9.335	32.265	ND	ND	
Tetrahydrocannabivarin (THCV)	2.119	7.323	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	8.234	28.459	ND	ND	
Total Cannabinoids			3566.376	127.60	
Total Potential THC			52.477	1.88	
Total Potential CBD			3308.189	118.36	

Final Approval


Karen Winternheimer
08Nov2023
01:02:00 PM MST
PREPARED BY / DATE


Sam Smith
08Nov2023
01:04:00 PM MST
APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000260785

Methods: TM25 (qPCR) TM24, TM26,
TM27 (Culture Plating): Microbial
(Colorado Panel)

	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



Eden Thompson-Wright
09Nov2023
11:02:00 AM MST

PREPARED BY / DATE



Brianne Maillot
09Nov2023
11:23:00 AM MST

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Residual Solvents - Colorado Compliance

Test ID: T000260787


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	82 - 1634	ND	
Butanes (Isobutane, n-Butane)	157 - 3136	ND	
Methanol	60 - 1197	ND	
Pentane	88 - 1768	ND	
Ethanol	94 - 1886	ND	
Acetone	95 - 1908	ND	
Isopropyl Alcohol	104 - 2071	1076	
Hexane	6 - 116	ND	
Ethyl Acetate	97 - 1933	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	93 - 1863	ND	
Toluene	18 - 351	ND	
Xylenes (m,p,o-Xylenes)	128 - 2554	ND	

Final Approval

 Karen Winternheimer
09Nov2023
01:52:00 PM MST

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 Sam Smith
09Nov2023
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Pesticides


Test ID: T000260784

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	331 - 2667	ND		Malathion	286 - 2685	ND
Acephate	40 - 2783	ND		Metalaxyl	43 - 2718	ND
Acetamiprid	42 - 2733	ND		Methiocarb	45 - 2694	ND
Azoxystrobin	45 - 2699	ND		Methomyl	41 - 2768	ND
Bifenazate	42 - 2750	ND		MGK 264 1	166 - 1591	ND
Boscalid	40 - 2737	ND		MGK 264 2	104 - 1084	ND
Carbaryl	39 - 2640	ND		Myclobutanil	54 - 2688	ND
Carbofuran	44 - 2678	ND		Naled	44 - 2649	ND
Chlorantraniliprole	43 - 2698	ND		Oxamyl	41 - 2793	ND
Chlorpyrifos	43 - 2706	ND		Paclobutrazol	43 - 2664	ND
Clofentezine	288 - 2730	ND		Permethrin	284 - 2791	ND
Diazinon	284 - 2678	ND		Phosmet	41 - 2577	ND
Dichlorvos	290 - 2795	ND		Prophos	301 - 2715	ND
Dimethoate	43 - 2719	ND		Propoxur	42 - 2685	ND
E-Fenpyroximate	284 - 2746	ND		Pyridaben	289 - 2780	ND
Etofenprox	47 - 2720	ND		Spinosad A	31 - 2077	ND
Etoxazole	288 - 2626	ND		Spinosad D	64 - 671	ND
Fenoxycarb	46 - 2652	ND		Spiromesifen	278 - 2762	ND
Fipronil	49 - 2780	ND		Spirotetramat	277 - 2736	ND
Flonicamid	46 - 2805	ND		Spiroxamine 1	16 - 1010	ND
Fludioxonil	301 - 2732	ND		Spiroxamine 2	26 - 1601	ND
Hexythiazox	43 - 2781	ND		Tebuconazole	288 - 2801	ND
Imazalil	267 - 2711	ND		Thiacloprid	44 - 2769	ND
Imidacloprid	50 - 2788	ND		Thiamethoxam	43 - 2808	ND
Kresoxim-methyl	49 - 2705	ND		Trifloxystrobin	44 - 2705	ND

Final Approval

 Karen Winternheimer
10Nov2023
09:29:00 AM MST
PREPARED BY / DATE

 Sam Smith
10Nov2023
09:32:00 AM MST
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Heavy Metals - Colorado Compliance


Test ID: T000260786

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.08	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 4.55	ND	
Lead	0.05 - 4.55	ND	

Final Approval


Samantha Smith
10Nov2023
10:21:00 AM MST
PREPARED BY / DATE


Karen Winternheimer
10Nov2023
10:26:00 AM MST
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/22e79e24-b88f-4003-86d2-6c6378bb7137>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units 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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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