

Prepared for:
Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120

200 mg - Daily Releaf

Batch ID or Lot Number: 0224T215	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 6
Reported: 05Feb2024	Started: 02Feb2024	Received: 02Feb2024	


Cannabinoids - Colorado Compliance

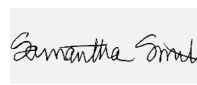
Test ID: T000269580

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

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.065	0.198	<LOQ	<LOQ	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.059	0.181	ND	ND	
Cannabidiol (CBD)	0.202	0.586	7.456	7.89	
Cannabidiolic Acid (CBDA)	0.207	0.601	<LOQ	<LOQ	
Cannabidivarin (CBDV)	0.048	0.139	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.086	0.251	ND	ND	
Cannabigerol (CBG)	0.037	0.113	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.153	0.470	ND	ND	
Cannabinol (CBN)	0.048	0.147	ND	ND	
Cannabinolic Acid (CBNA)	0.105	0.321	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.183	0.560	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.166	0.509	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.147	0.451	ND	ND	
Tetrahydrocannabivarin (THCV)	0.033	0.102	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.130	0.398	ND	ND	
Total Cannabinoids			7.456	7.89	
Total Potential THC			ND	ND	
Total Potential CBD			7.456	7.89	

Final Approval


Karen Winternheimer
06Feb2024
03:02:00 PM MST
PREPARED BY / DATE


Sam Smith
06Feb2024
03:05:00 PM MST
APPROVED BY / DATE

Approved: Paul Gennings QC 02-05-24

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Residual Solvents - Colorado Compliance

Test ID: T000269584


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	96 - 1918	ND	
Butanes (Isobutane, n-Butane)	175 - 3502	ND	
Methanol	65 - 1304	ND	
Pentane	95 - 1890	ND	
Ethanol	94 - 1888	ND	
Acetone	104 - 2073	ND	
Isopropyl Alcohol	106 - 2117	ND	
Hexane	7 - 131	ND	
Ethyl Acetate	104 - 2087	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	100 - 2000	ND	
Toluene	18 - 369	ND	
Xylenes (m,p,o-Xylenes)	126 - 2515	ND	

Final Approval


Sam Smith
05Feb2024
11:41:00 AM MST

PREPARED BY / DATE


Karen Winternheimer
05Feb2024
11:41:00 AM MST

APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000269582
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
05Feb2024
02:54:00 PM MST

PREPARED BY / DATE



Brianne Maillot
05Feb2024
03:37:00 PM MST

APPROVED BY / DATE

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Pesticides


Test ID: T000269581


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	322 - 2692	ND	Malathion	300 - 2685	ND
Acephate	40 - 2713	ND	Metalaxyl	43 - 2693	ND
Acetamiprid	42 - 2711	ND	Methiocarb	42 - 2675	ND
Azoxystrobin	46 - 2680	ND	Methomyl	41 - 2765	ND
Bifenazate	43 - 2700	ND	MGK 264 1	145 - 1627	ND
Boscalid	47 - 2707	ND	MGK 264 2	110 - 1097	ND
Carbaryl	42 - 2691	ND	Myclobutanil	50 - 2631	ND
Carbofuran	42 - 2677	ND	Naled	44 - 2668	ND
Chlorantraniliprole	48 - 2651	ND	Oxamyl	41 - 2770	ND
Chlorpyrifos	48 - 2744	ND	Paclobutrazol	45 - 2671	ND
Clofentezine	282 - 2731	ND	Permethrin	300 - 2757	ND
Diazinon	293 - 2717	ND	Phosmet	42 - 2585	ND
Dichlorvos	286 - 2745	ND	Prophos	289 - 2668	ND
Dimethoate	41 - 2702	ND	Propoxur	41 - 2692	ND
E-Fenpyroximate	222 - 2857	ND	Pyridaben	286 - 2731	ND
Etofenprox	44 - 2759	ND	Spinosad A	34 - 2091	ND
Etoxazole	292 - 2664	ND	Spinosad D	67 - 674	ND
Fenoxycarb	41 - 2669	ND	Spiromesifen	273 - 2744	ND
Fipronil	50 - 2773	ND	Spirotetramat	300 - 2772	ND
Flonicamid	41 - 2768	ND	Spiroxamine 1	16 - 1015	ND
Fludioxonil	278 - 2672	ND	Spiroxamine 2	22 - 1572	ND
Hexythiazox	42 - 2774	ND	Tebuconazole	290 - 2684	ND
Imazalil	278 - 2725	ND	Thiacloprid	42 - 2720	ND
Imidacloprid	40 - 2726	ND	Thiamethoxam	42 - 2744	ND
Kresoxim-methyl	43 - 2742	ND	Trifloxystrobin	44 - 2700	ND

Final Approval


 Karen Winternheimer
 07Feb2024
 08:52:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 07Feb2024
 08:55:00 AM MST
 APPROVED BY / DATE

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Heavy Metals - Colorado Compliance

Test ID: T000269583
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.69	ND	
Cadmium	0.04 - 4.48	ND	
Mercury	0.05 - 4.78	ND	
Lead	0.05 - 4.75	ND	

Final Approval


Sam Smith
06Feb2024
04:47:00 PM MST
PREPARED BY / DATE



Karen Winternheimer
07Feb2024
11:12:00 AM MST
APPROVED BY / DATE


Mycotoxins - Colorado Compliance

Test ID: T000269585
Methods: TM18 (UHPLC-QQQ
LCMS/MS): Mycotoxins

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	0.92 - 121.32	ND	N/A
Aflatoxin B1	0.98 - 31.40	ND	
Aflatoxin B2	0.92 - 31.73	ND	
Aflatoxin G1	0.98 - 31.64	ND	
Aflatoxin G2	1.07 - 31.55	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Karen Winternheimer
08Feb2024
10:39:00 AM MST
PREPARED BY / DATE


Sam Smith
08Feb2024
10:41:00 AM MST
APPROVED BY / DATE

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Approved: Paul Gennings QC 02-05-24



<https://results.botanacor.com/api/v1/coas/uuid/94d73a79-a76e-4575-b8a9-1c75a44c4b7a>

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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