

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120


100 mg - Daily Releaf


Batch ID or Lot Number: 1223T115	Test: Potency	Reported: 08Dec2023	USDA License: N/A
Matrix: Solution	Test ID: T000264342	Started: 08Dec2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 06Dec2023	Status: Active

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.062	0.212	<LOQ	<LOQ	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.057	0.194	ND	ND	
Cannabidiol (CBD)	0.190	0.551	3.410	3.61	
Cannabidiolic Acid (CBDA)	0.195	0.566	ND	ND	
Cannabidivarin (CBDV)	0.045	0.130	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.081	0.236	ND	ND	
Cannabigerol (CBG)	0.035	0.121	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.148	0.504	ND	ND	
Cannabinol (CBN)	0.046	0.157	ND	ND	
Cannabinolic Acid (CBNA)	0.101	0.344	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.176	0.600	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.160	0.545	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.142	0.483	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.110	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.125	0.426	ND	ND	
Total Cannabinoids			3.410	3.61	
Total Potential THC			ND	ND	
Total Potential CBD			3.410	3.61	

Final Approval


Samantha Smith
08Dec2023
12:19:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
08Dec2023
12:22:00 PM MST
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a857af11-99e1-4afa-82d2-2893ca22a7a5>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

CDPHE Certified

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Prepared for:

Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120

100 mg - Daily Releaf

Batch ID or Lot Number: 1223T115	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: 01Dec2023	Started: 30Nov2023	Received: 30Nov2023	


Pesticides


Test ID: T000263387

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	385 - 3277	ND		Malathion	280 - 2762	ND
Acephate	43 - 2767	ND		Metalaxyl	46 - 2743	ND
Acetamiprid	42 - 2720	ND		Methiocarb	47 - 2707	ND
Azoxystrobin	44 - 2764	ND		Methomyl	44 - 2802	ND
Bifenazate	44 - 2711	ND		MGK 264 1	164 - 1610	ND
Boscalid	41 - 2623	ND		MGK 264 2	113 - 1089	ND
Carbaryl	43 - 2708	ND		Myclobutanil	17 - 2632	ND
Carbofuran	44 - 2682	ND		Naled	46 - 2642	ND
Chlorantraniliprole	50 - 2579	ND		Oxamyl	43 - 2793	ND
Chlorpyrifos	50 - 2781	ND		Paclobutrazol	48 - 2595	ND
Clofentezine	283 - 2691	ND		Permethrin	260 - 2759	ND
Diazinon	289 - 2727	ND		Phosmet	43 - 2585	ND
Dichlorvos	283 - 2752	ND		Prophos	303 - 2679	ND
Dimethoate	43 - 2726	ND		Propoxur	45 - 2707	ND
E-Fenpyroximate	286 - 2761	ND		Pyridaben	298 - 2830	ND
Etofenprox	43 - 2781	ND		Spinosad A	32 - 2128	ND
Etoxazole	287 - 2702	ND		Spinosad D	65 - 685	ND
Fenoxycarb	30 - 2714	ND		Spiromesifen	273 - 2747	ND
Fipronil	49 - 2636	ND		Spirotetramat	267 - 2754	ND
Flonicamid	43 - 2740	ND		Spiroxamine 1	16 - 1027	ND
Fludioxonil	315 - 2625	ND		Spiroxamine 2	28 - 1553	ND
Hexythiazox	42 - 2753	ND		Tebuconazole	286 - 2594	ND
Imazalil	263 - 2804	ND		Thiacloprid	43 - 2746	ND
Imidacloprid	43 - 2776	ND		Thiamethoxam	40 - 2752	ND
Kresoxim-methyl	45 - 2761	ND		Trifloxystrobin	46 - 2738	ND

Final Approval


 Karen Winternheimer
 01Dec2023
 09:36:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 01Dec2023
 09:42:00 AM MST
 APPROVED BY / DATE

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Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120

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Microbial Contaminants - Colorado Compliance

Test ID: T000263388
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



Brett Hudson
03Dec2023
10:56:00 AM MST

PREPARED BY / DATE



Eden Thompson-Wright
04Dec2023
09:37:00 AM MST

APPROVED BY / DATE

Prepared for:
Pet Relief

8100 Southpark Way #A3
Littleton, CO USA 80120

100 mg - Daily Relief

Batch ID or Lot Number: 1223T115	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 6
Reported: 01Dec2023	Started: 30Nov2023	Received: 30Nov2023	


Residual Solvents - Colorado Compliance

Test ID: T000263390


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1829	ND	
Butanes (Isobutane, n-Butane)	179 - 3576	ND	
Methanol	61 - 1219	ND	
Pentane	97 - 1941	ND	
Ethanol	101 - 2027	ND	
Acetone	103 - 2066	ND	
Isopropyl Alcohol	115 - 2294	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	105 - 2110	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	101 - 2012	ND	
Toluene	19 - 384	ND	
Xylenes (m,p,o-Xylenes)	141 - 2822	ND	

Final Approval

 Karen Winternheimer
06Dec2023
12:42:00 PM MST

PREPARED BY / DATE

 Sam Smith
06Dec2023
12:44:00 PM MST

APPROVED BY / DATE

Prepared for:
Pet Releaf

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Heavy Metals - Colorado Compliance

Test ID: T000263389
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.61	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.79	ND	

Final Approval


Sam Smith
06Dec2023
02:47:00 PM MST
PREPARED BY / DATE



Karen Winternheimer
06Dec2023
02:52:00 PM MST
APPROVED BY / DATE

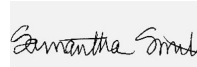
Mycotoxins - Colorado Compliance

Test ID: T000263391
Methods: TM18 (UHPLC-QQQ
LCMS/MS): Mycotoxins

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.74 - 128.26	ND	N/A
Aflatoxin B1	1.01 - 32.35	ND	
Aflatoxin B2	0.92 - 32.79	ND	
Aflatoxin G1	1.01 - 32.67	ND	
Aflatoxin G2	1.08 - 33.24	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Karen Winternheimer
07Dec2023
12:55:00 PM MST
PREPARED BY / DATE


Sam Smith
07Dec2023
12:56:00 PM MST
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/e0138f19-663b-49bf-b4dc-48211b2c1015>

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.

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