

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Relief
 8100 Southpark Way #A3
 Littleton, CO USA 80120

600 mg - Stress Releaf

Batch ID or Lot Number: 220119D	Test: Potency	Reported: 21Feb2022	USDA License: N/A
Matrix: Solution	Test ID: T000194103	Started: 21Feb2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 21Feb2022	Status: N/A

Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.064	0.219	1.245	1.32	
Cannabichromenic Acid (CBCA)	0.058	0.200	ND	ND	
Cannabidiol (CBD)	0.199	0.582	20.508	21.82	
Cannabidiolic Acid (CBDA)	0.204	0.597	0.473*	0.5*	
Cannabidivarin (CBDV)	0.047	0.138	0.173	0.18	
Cannabidivarinic Acid (CBDVA)	0.085	0.249	ND	ND	
Cannabigerol (CBG)	0.036	0.124	0.373	0.40	
Cannabigerolic Acid (CBGA)	0.151	0.519	ND	ND	
Cannabinol (CBN)	0.047	0.162	ND	ND	
Cannabinolic Acid (CBNA)	0.103	0.354	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.180	0.618	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.164	0.562	0.593	0.63	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.145	0.498	ND	ND	
Tetrahydrocannabivarin (THCV)	0.033	0.113	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.128	0.439	ND	ND	
Total Cannabinoids			23.365	24.86	
Total Potential THC**			0.593	0.63	
Total Potential CBD**			20.923	22.26	

Final Approval



Jacob Miller
 22Feb2002
 06:57:00 PM MST

PREPARED BY / DATE



Daniel Weidensaul
 22Feb2022
 07:02:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/79dc0d6f-c8dc-4c67-a820-0d16ee508019>

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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.



Cert #4329.02

CDPHE Certified
 79dc0d6fc8dc4c67a8200d16ee508019.1

CERTIFICATE OF ANALYSIS

 Prepared for:
Pet Relief

 8100 Southpark Way #A3
 Littleton, CO USA 80120


600mg -Stress Releaf

Batch ID or Lot Number: 220119D	Test: Microbial Contaminants	Reported: 21Feb2022	USDA License: N/A
Matrix: Finished Product	Test ID: T000193559	Started: 17Feb2022	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 16Feb2022	Status: N/A

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 TYM: None Detected Total Aerobic: None Detected
<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
 20Feb2022
 02:22:00 PM MST



 Brett Hudson
 21Feb2022
 10:24:00 AM MST


PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/7870d8cc-38e5-4a02-b4ff-6c81dc6a12c5>

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

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Prepared for:

600mg -Stress Releaf**Pet Releaf**

Batch ID or Lot Number: 220119D	Test: Mycotoxins	Reported: 2/21/22	Location: 8100 Southpark Way #A3 Littleton, CO 80120
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Matrix: Concentrate	Test ID: T000193562	Started: 2/18/22	USDA License: N/A
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Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 02/16/2022 @ 11:40 AM	Sampler ID: N/A
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MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.4 - 136.8	ND	N/A
Aflatoxin B1	1.1 - 33.9	ND	
Aflatoxin B2	1.3 - 33.7	ND	
Aflatoxin G1	1.2 - 33.7	ND	
Aflatoxin G2	1.5 - 32.2	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Ryan Weems
21-Feb-22
12:35 PM

PREPARED BY / DATE

Sam Smith
21-Feb-22
12:37 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Pet Releaf

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Littleton, CO USA 80120

600mg -Stress Releaf

Batch ID or Lot Number: 220119D	Test: Heavy Metals	Reported: 21Feb2022	USDA License: NA
Matrix: Unit Co	Test ID: T000193560	Started: 18Feb2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 16Feb2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.34	ND	
Cadmium	0.04 - 4.45	ND	
Mercury	0.04 - 4.49	ND	
Lead	0.04 - 4.01	ND	

Final Approval



Kayla Phye
22Feb2022
05:29:00 PM MST

PREPARED BY / DATE



Ryan Weems
22Feb2022
05:44:00 PM MST

APPROVED BY / DATE



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Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
Pet Releaf

8100 Southpark Way #A3
Littleton, CO USA 80120

600mg -Stress Releaf

Batch ID or Lot Number: 220119D	Test: Pesticides	Reported: 22Feb2022	USDA License: NA
Matrix: Concentrate	Test ID: T000193558	Started: 21Feb2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 16Feb2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	296 - 2788	ND	Malathion	301 - 2748	ND
Acephate	23 - 2806	ND	Metalaxyl	45 - 2822	ND
Acetamiprid	38 - 2786	ND	Methiocarb	46 - 2867	ND
Azoxystrobin	71 - 2736	ND	Methomyl	35 - 2773	ND
Bifenazate	42 - 2786	ND	MGK 264 1	150 - 1593	ND
Boscalid	83 - 2759	ND	MGK 264 2	122 - 1146	ND
Carbaryl	41 - 2722	ND	Myclobutanil	42 - 2783	ND
Carbofuran	42 - 2747	ND	Naled	44 - 2758	ND
Chlorantraniliprole	63 - 2876	ND	Oxamyl	36 - 2727	ND
Chlorpyrifos	42 - 2815	ND	Pacllobutrazol	41 - 2656	ND
Clofentezine	284 - 2744	ND	Permethrin	268 - 2785	ND
Diazinon	290 - 2796	ND	Phosmet	39 - 2784	ND
Dichlorvos	292 - 2852	ND	Prophos	299 - 2812	ND
Dimethoate	39 - 2802	ND	Propoxur	42 - 2710	ND
E-Fenpyroximate	326 - 2886	ND	Pyridaben	296 - 2756	ND
Etofenprox	42 - 2746	ND	Spinosad A	31 - 2280	ND
Etoxazole	296 - 2812	ND	Spinosad D	50 - 513	ND
Fenoxycarb	45 - 2741	ND	Spiromesifen	375 - 2753	ND
Fipronil	44 - 2798	ND	Spirotetramat	296 - 2874	ND
Flonicamid	40 - 2839	ND	Spiroxamine 1	13 - 1216	ND
Fludioxonil	316 - 2809	ND	Spiroxamine 2	18 - 1608	ND
Hexythiazox	62 - 2744	ND	Tebuconazole	290 - 2717	ND
Imazalil	276 - 2758	ND	Thiacloprid	40 - 2788	ND
Imidacloprid	44 - 2808	ND	Thiamethoxam	40 - 2807	ND
Kresoxim-methyl	81 - 2757	ND	Trifloxystrobin	39 - 2788	ND

Final Approval


 Sam Smith
 22Feb2022
 12:13:00 PM MST

PREPARED BY / DATE


 Daniel Weidensaul
 22Feb2022
 12:19:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c9df7779-4df1-4cf2-93c9-20e5c988f6ee>

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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600mg -Stress Releaf

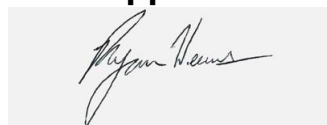
Batch ID or Lot Number: 220119D	Test: Residual Solvents	Reported: 21Feb2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000193561	Started: 21Feb2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 16Feb2022	Status: N/A

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	89 - 1778	ND	
Butanes (Isobutane, n-Butane)	181 - 3619	ND	
Methanol	63 - 1269	ND	
Pentane	95 - 1906	ND	
Ethanol	94 - 1871	ND	
Acetone	101 - 2027	ND	
Isopropyl Alcohol	103 - 2061	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	101 - 2028	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	102 - 2031	ND	
Toluene	18 - 362	ND	
Xylenes (m,p,o-Xylenes)	126 - 2528	ND	

APPROVED

Justin Thomson 03/08/2022
NPD & Quality Manager

Final Approval



Ryan Weems
22Feb2022
05:27:00 PM MST

PREPARED BY / DATE



Daniel Weidensaul
22Feb2022
05:33:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7af58b6f-7f77-4484-8b39-b93f4ac3a85b>

Definitions

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