

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Stress Releaf - 600 mg


Batch ID or Lot Number: <b>0723FS605</b>	Test: <b>Potency</b>	Reported: <b>01Aug2023</b>	USDA License: N/A
Matrix: Solution	Test ID: T000251157	Started: 01Aug2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 31Jul2023	Status: Active


## Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.063	0.203	1.115	1.19	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.057	0.185	ND	ND	
Cannabidiol (CBD)	0.189	0.534	21.416	22.78	
Cannabidiolic Acid (CBDA)	0.194	0.547	<LOQ	<LOQ	
Cannabidivarin (CBDV)	0.045	0.126	0.206	0.22	
Cannabidivarinic Acid (CBDVA)	0.081	0.228	ND	ND	
Cannabigerol (CBG)	0.036	0.115	0.340	0.36	
Cannabigerolic Acid (CBGA)	0.149	0.481	ND	ND	
Cannabinol (CBN)	0.046	0.150	ND	ND	
Cannabinolic Acid (CBNA)	0.101	0.328	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.177	0.573	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.161	0.520	0.540	0.57	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.142	0.461	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.105	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.126	0.407	ND	ND	
<b>Total Cannabinoids</b>			<b>23.617</b>	<b>25.12</b>	
Total Potential THC			0.540	0.57	
Total Potential CBD			21.416	22.78	

Approved: Paul Gennings QC 08-01-23

## Final Approval

  
Sam Smith  
01Aug2023  
03:45:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
01Aug2023  
03:47:00 PM MDT  
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/88d124c3-dec0-4f13-bf49-9b8e3ffdc49.1>

**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  
88d124c3dec04f13bf499b8e3ffdc49.1

Prepared for:

## Pet Releaf

8100 Southpark Way #A3  
Littleton, CO USA 80120

### Stress Releaf - 600 mg

Batch ID or Lot Number: <b>0723FS605</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: <b>28Jul2023</b>	Started: 28Jul2023	Received: 27Jul2023	


### Residual Solvents - Colorado Compliance

Test ID: T000250623


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	98 - 1968	ND	
Butanes (Isobutane, n-Butane)	192 - 3846	ND	
Methanol	61 - 1219	ND	
Pentane	98 - 1954	ND	
Ethanol	99 - 1987	ND	
Acetone	97 - 1939	ND	
Isopropyl Alcohol	101 - 2029	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	99 - 1987	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	98 - 1964	ND	
Toluene	18 - 358	ND	
Xylenes (m,p,o-Xylenes)	130 - 2594	ND	

### Final Approval

 Karen Winternheimer  
28Jul2023  
03:54:00 PM MDT

PREPARED BY / DATE

 Sam Smith  
28Jul2023  
03:55:00 PM MDT

APPROVED BY / DATE

# CERTIFICATE OF ANALYSIS

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**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120


## Stress Releaf - 600 mg

Batch ID or Lot Number: <b>0723FS605</b>	Test: <b>Heavy Metals</b>	Reported: <b>31Jul2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000250622	Started: 29Jul2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 27Jul2023	Status: NA

## Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.66	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 4.64	ND	
Lead	0.04 - 4.44	ND	

## Final Approval



Sam Smith  
31Jul2023  
12:41:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer  
31Jul2023  
12:44:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c1a102d0-71d5-43db-99f2-d5b30030afe2>

### 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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Cert #4329.02



CDPHE Certified



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Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Stress Releaf - 600 mg

Batch ID or Lot Number: <b>0723FS605</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 5
Reported: <b>28Jul2023</b>	Started: 28Jul2023	Received: 27Jul2023	

## Microbial Contaminants - Colorado Compliance

Test ID: T000250621  
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

### Final Approval

 Eden Thompson-Wright 31Jul2023 01:24:00 PM MDT	 Brianne Maillot 31Jul2023 01:27:00 PM MDT
PREPARED BY / DATE	APPROVED BY / DATE

## Mycotoxins - Colorado Compliance

Test ID: T000250624  
Methods: TM18 (UHPLC-QQ)  
LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.58 - 132.49	ND	N/A
Aflatoxin B1	1.02 - 33.52	ND	
Aflatoxin B2	0.95 - 33.75	ND	
Aflatoxin G1	1.08 - 33.48	ND	
Aflatoxin G2	1.12 - 33.94	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

 Sam Smith 02Aug2023 07:17:00 AM MDT	 Karen Winternheimer 02Aug2023 07:20:00 AM MDT
PREPARED BY / DATE	APPROVED BY / DATE

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Stress Releaf - 600 mg

Batch ID or Lot Number: <b>0723FS605</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 5
Reported: <b>28Jul2023</b>	Started: 28Jul2023	Received: 27Jul2023	


## Pesticides


Test ID: T000250620

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	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	Paclobutrazol	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

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**Pet Releaf**

8100 Southpark Way #A3  
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Approved: Paul Gennings QC 08-01-23



<https://results.botanacor.com/api/v1/coas/uuid/af019c41-7e06-4954-b62a-4311f612d51>

**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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU.

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