

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Feline Stress Releaf - 180 mg

Batch ID or Lot Number: <b>0723FR1804</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 5
Reported: <b>28Jul2023</b>	Started: 28Jul2023	Received: 27Jul2023	


## Cannabinoids - Colorado Compliance


Test ID: T000250613

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

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.059	0.191	0.292	0.31	Density = 0.95g/mL
Cannabichromenic Acid (CBCA)	0.054	0.174	ND	ND	
Cannabidiol (CBD)	0.190	0.522	6.474	6.81	
Cannabidiolic Acid (CBDA)	0.195	0.535	ND	ND	
Cannabidivarin (CBDV)	0.045	0.123	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.081	0.223	ND	ND	
Cannabigerol (CBG)	0.034	0.108	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.141	0.453	ND	ND	
Cannabinol (CBN)	0.044	0.141	ND	ND	
Cannabinolic Acid (CBNA)	0.096	0.309	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.168	0.539	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.153	0.490	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.135	0.434	ND	ND	
Tetrahydrocannabivarin (THCV)	0.031	0.098	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.119	0.383	ND	ND	
<b>Total Cannabinoids</b>			<b>6.766</b>	<b>7.12</b>	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			6.474	6.81	

### Final Approval

  
Sam Smith  
28Jul2023  
03:58:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
28Jul2023  
04:11:00 PM MDT  
APPROVED BY / DATE


## Heavy Metals - Colorado Compliance

Test ID: T000250616

Methods: TM19 (ICP-MS): 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

Approved: Paul Gennings QC 07-28-23

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Feline Stress Releaf - 180 mg

Batch ID or Lot Number: <b>0723FR1804</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: T000250617


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	100 - 2001	ND	
Butanes (Isobutane, n-Butane)	196 - 3911	ND	
Methanol	62 - 1240	ND	
Pentane	99 - 1986	ND	
Ethanol	101 - 2020	ND	
Acetone	99 - 1972	ND	
Isopropyl Alcohol	103 - 2063	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	101 - 2020	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	100 - 1997	ND	
Toluene	18 - 364	ND	
Xylenes (m,p,o-Xylenes)	132 - 2638	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

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Feline Stress Releaf - 180 mg

Batch ID or Lot Number: <b>0723FR1804</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: T000250615  
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: T000250618  
Methods: TM18 (UHPLC-QQ)  
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.59 - 132.82	ND	N/A
Aflatoxin B1	1.02 - 33.60	ND	
Aflatoxin B2	0.95 - 33.83	ND	
Aflatoxin G1	1.09 - 33.57	ND	
Aflatoxin G2	1.12 - 34.03	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

## Feline Stress Releaf - 180 mg

Batch ID or Lot Number: <b>0723FR1804</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 5
Reported: <b>28Jul2023</b>	Started: 28Jul2023	Received: 27Jul2023	


### Pesticides


Test ID: T000250614

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

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Feline Stress Releaf - 180 mg

Batch ID or Lot Number: <b>0723FR1804</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 5
Reported: <b>28Jul2023</b>	Started: 28Jul2023	Received: 27Jul2023	

Approved: Paul Gennings QC 08-01-23



<https://results.botanacor.com/api/v1/coas/uuid/d8076e1c-c68f-4751-ae10-eb069283bda6>

**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.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



Cert #4329.02  
d8076e1cc68f4751ae10eb069283bda6.1