

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## Feline Stress Releaf - 180 mg


Batch ID or Lot Number: <b>0523FR1803</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 5
Reported: <b>19May2023</b>	Started: 18May2023	Received: 18May2023	

## Heavy Metals - Colorado Compliance


Test ID: T000244327  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.53	ND	
Cadmium	0.04 - 4.47	ND	
Mercury	0.05 - 4.60	ND	
Lead	0.04 - 4.50	ND	

### Final Approval

  
Sam Smith  
22May2023  
07:47:00 AM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
22May2023  
07:49:00 AM MDT

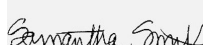
APPROVED BY / DATE

## Cannabinoids - Colorado Compliance

Test ID: T000244324  
Methods: TM14 (HPLC-DAD): Potency - Standard

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.061	0.208	0.331	0.35	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.056	0.190	ND	ND	
Cannabidiol (CBD)	0.167	0.513	6.480	6.89	
Cannabidiolic Acid (CBDA)	0.171	0.526	ND	ND	
Cannabidivarin (CBDV)	0.040	0.121	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.071	0.219	ND	ND	
Cannabigerol (CBG)	0.035	0.118	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.146	0.493	ND	ND	
Cannabinol (CBN)	0.046	0.154	ND	ND	
Cannabinolic Acid (CBNA)	0.100	0.336	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.174	0.587	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.158	0.533	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.140	0.472	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.107	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.123	0.417	ND	ND	
<b>Total Cannabinoids</b>			<b>6.811</b>	<b>7.24</b>	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			6.480	6.89	

### Final Approval

  
Sam Smith  
23May2023  
10:19:00 AM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
23May2023  
11:16:00 AM MDT

APPROVED BY / DATE

Approved: Paul Gennings QA/QC  
05/18/2023

Prepared for:

## Pet Releaf

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Littleton, CO USA 80120

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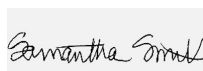
### Residual Solvents - Colorado Compliance

Test ID: T000244328


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	96 - 1914	ND	
Butanes (Isobutane, n-Butane)	196 - 3926	ND	
Methanol	58 - 1166	ND	
Pentane	98 - 1957	ND	
Ethanol	94 - 1877	ND	
Acetone	95 - 1905	ND	
Isopropyl Alcohol	95 - 1900	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	94 - 1871	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	95 - 1899	ND	
Toluene	17 - 331	ND	
Xylenes (m,p,o-Xylenes)	115 - 2305	ND	

#### Final Approval

  
Sam Smith  
19May2023  
11:55:00 AM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
19May2023  
11:57:00 AM MDT

APPROVED BY / DATE

Prepared for:  
**Pet Releaf**

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Littleton, CO USA 80120

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## Mycotoxins - Colorado Compliance


Test ID: T000244329


Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.52 - 131.10	ND	N/A
Aflatoxin B1	1.08 - 33.25	ND	
Aflatoxin B2	1.08 - 33.55	ND	
Aflatoxin G1	1.08 - 33.51	ND	
Aflatoxin G2	1.28 - 33.87	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Sam Smith  
23May2023  
11:52:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
23May2023  
12:23:00 PM MDT  
APPROVED BY / DATE

## Microbial Contaminants - Colorado Compliance

Test ID: T000244326


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
Salmonella	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

  
Brett Hudson  
22May2023  
03:51:00 PM MDT  
PREPARED BY / DATE

  
Eden Thompson-Wright  
23May2023  
09:36:00 AM MDT  
APPROVED BY / DATE

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### Pesticides

Test ID: T000244325

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	272 - 2715	ND		Malathion	288 - 2719	ND
Acephate	44 - 2775	ND		Metalaxyl	39 - 2714	ND
Acetamiprid	44 - 2747	ND		Methiocarb	46 - 2692	ND
Azoxystrobin	45 - 2714	ND		Methomyl	45 - 2768	ND
Bifenazate	39 - 2690	ND		MGK 264 1	167 - 1674	ND
Boscalid	31 - 2648	ND		MGK 264 2	101 - 1063	ND
Carbaryl	43 - 2748	ND		Myclobutanil	47 - 2722	ND
Carbofuran	41 - 2718	ND		Naled	52 - 2771	ND
Chlorantraniliprole	44 - 2660	ND		Oxamyl	46 - 2772	ND
Chlorpyrifos	40 - 2733	ND		Paclobutrazol	44 - 2722	ND
Clofentezine	291 - 2714	ND		Permethrin	260 - 2692	ND
Diazinon	281 - 2707	ND		Phosmet	42 - 2726	ND
Dichlorvos	272 - 2769	ND		Prophos	304 - 2666	ND
Dimethoate	43 - 2729	ND		Propoxur	43 - 2740	ND
E-Fenpyroximate	270 - 2726	ND		Pyridaben	294 - 2663	ND
Etofenprox	41 - 2666	ND		Spinosad A	33 - 2083	ND
Etoazole	292 - 2672	ND		Spinosad D	64 - 658	ND
Fenoxycarb	14 - 2725	ND		Spiromesifen	258 - 2708	ND
Fipronil	28 - 2650	ND		Spirotetramat	265 - 2777	ND
Flonicamid	54 - 2811	ND		Spiroxamine 1	20 - 1162	ND
Fludioxonil	278 - 2651	ND		Spiroxamine 2	25 - 1480	ND
Hexythiazox	43 - 2705	ND		Tebuconazole	286 - 2782	ND
Imazalil	276 - 2741	ND		Thiacloprid	42 - 2728	ND
Imidacloprid	50 - 2785	ND		Thiamethoxam	46 - 2775	ND
Kresoxim-methyl	45 - 2723	ND		Trifloxystrobin	42 - 2708	ND

### Final Approval



Alex Benson  
25May2023  
12:41:00 PM MDT

PREPARED BY / DATE



Phillip Travisano  
25May2023  
02:50:00 PM MDT

APPROVED BY / DATE

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Approved: Paul Gennings QA/QC 05/18/2023



<https://results.botanacor.com/api/v1/coas/uuid/637aac3b-f0b6-4a1a-bdf4-0c1ed5ca530c>

**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](#).



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