

Prepared for:

## **Pet Releaf**

8100 Southpark Way #A3 Littleton, CO USA 80120

Feline Stress Releaf - 180 mgLittleton, CO USA 80120			, CO USA 80120	
Batch ID or Lot Number: <b>0822FR1801</b>	Test, Test ID and Methods: Various	Matrix: Solution	Page 1 of 5	
Reported: <b>17Aug2022</b>	Started: 16Aug2022	Received: 12Aug2022		

# **Cannabinoids - Colorado**

### Compliance

Methods: TM14 (HPLC-DAD): Potency – Standard			Result		
Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	(mg/mL)	<b>Result</b> (mg/g)	Notes
Cannabichromene (CBC)	0.054	0.171	0.256	0.27	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.050	0.156	ND	ND	
Cannabidiol (CBD)	0.121	0.437	6.906	7.35	
Cannabidiolic Acid (CBDA)	0.125	0.448	ND	ND	
Cannabidivarin (CBDV)	0.029	0.103	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.052	0.187	ND	ND	
Cannabigerol (CBG)	0.031	0.097	<loq< td=""><td>0.09</td><td></td></loq<>	0.09	
Cannabigerolic Acid (CBGA)	0.129	0.405	ND	ND	
Cannabinol (CBN)	0.040	0.126	ND	ND	
Cannabinolic Acid (CBNA)	0.088	0.276	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.154	0.482	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.140	0.438	0.245	0.26	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.124	0.388	ND	ND	
Tetrahydrocannabivarin (THCV)	0.028	0.088	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.109	0.342	ND	ND	
Total Cannabinoids			7.492	7.97	
Total Potential THC			0.245	0.26	
Total Potential CBD			6.906	7.35	

#### **Final Approval**

1/Aug2022 02:13:00 PM MDT

Karen Winternheimer 17Aug2022

PREPARED BY / DATE

Daniel Westmand

Daniel Weidensaul 17Aug2022 02:16:00 PM MDT

APPROVED BY / DATE



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### Pet Releaf

8100 Southpark Way #A3 Littleton, CO USA 80120

<b>Feline Stress</b>	Releaf -	180 mg
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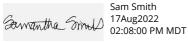
Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 5
0822FR1801	Various	Solution	
Reported:	Started:	Received:	
<b>17Aug2022</b>	16Aug2022	12Aug2022	

## Mycotoxins - Colorado Compliance

Test ID: T000217544

Methods: TM18 (UHPLC-QQQ				
LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes	
Ochratoxin A	1.94 - 126.43	ND	N/A	
Aflatoxin B1	1.06 - 32.22	ND		
Aflatoxin B2	1.03 - 32.41	ND		
Aflatoxin G1	1.13 - 32.53	ND		
Aflatoxin G2	1.16 - 32.06	ND		
Total Aflatoxins (B1, B2, G1, and G	G2)	ND		

#### **Final Approval**





Jacob Miller 17Aug2022 02:10:00 PM MDT

PREPARED BY / DATE

# Microbial Contaminants -Colorado Compliance

Test ID: T000217541 Methods: TM25 (qPCR) TM24, TM26,

TM27 (Culture Plating): Microbial			Quantitation		
(Colorado Panel)	Method	LOD	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>	<lloq< td=""><td></td></lloq<>	
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					-

Brianne Maillot

03:47:00 PM MDT

18Aug2022



Brett Hudson 18Aug2022 11:31:00 AM MDT

Buanne Maillot

PREPARED BY / DATE



Prepared for:

## **Pet Releaf**

8100 Southpark Way #A3 Littleton, CO USA 80120

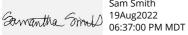
Feline Stress Rele	af - 180 mg	
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0822FR1801	Various	Solution	
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# **Residual Solvents -Colorado Compliance**

Test ID: T000217543 Methods: TM04 (GC-MS): Residual			
Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1724	ND	
Butanes (lsobutane, n-Butane)	179 - 3570	ND	
Methanol	60 - 1208	ND	
Pentane	94 - 1881	ND	
Ethanol	91 - 1823	ND	
Acetone	99 - 1982	ND	
Isopropyl Alcohol	102 - 2039	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	100 - 1993	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	99 - 1983	ND	
Toluene	18 - 354	ND	
Xylenes (m,p,o-Xylenes)	132 - 2632	ND	

#### **Final Approval**



Sam Smith

Danuel Wenterman

Daniel Weidensaul 19Aug2022 06:51:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE



Feline Stress Releaf - 180 mg

# CERTIFICATE OF ANALYSIS

Prepared for:

### **Pet Releaf**

8100 Southpark Way #A3 Littleton, CO USA 80120

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## Pesticides

Methods: TM17

Test ID: T000217540

(LC-QQ LC MS/MS)	<b>Dynamic Range</b> (ppb)	<b>Result</b> (ppb)
Abamectin	308 - 2732	ND
Acephate	40 - 2787	ND
Acetamiprid	40 - 2697	ND
Azoxystrobin	41 - 2712	ND
Bifenazate	41 - 2673	ND
Boscalid	39 - 2759	ND
Carbaryl	39 - 2720	ND
Carbofuran	43 - 2690	ND
Chlorantraniliprole	38 - 2716	ND
Chlorpyrifos	41 - 2732	ND
Clofentezine	289 - 2730	ND
Diazinon	290 - 2770	ND
Dichlorvos	277 - 2714	ND
Dimethoate	42 - 2706	ND
E-Fenpyroximate	286 - 2760	ND
Etofenprox	41 - 2760	ND
Etoxazole	288 - 2736	ND
Fenoxycarb	41 - 2701	ND
Fipronil	40 - 2771	ND
Flonicamid	47 - 2738	ND
Fludioxonil	256 - 2768	ND
Hexythiazox	40 - 2773	ND
Imazalil	274 - 2744	ND
Imidacloprid	41 - 2733	ND
Kresoxim-methyl	22 - 2788	ND

	<b>Dynamic Range</b> (ppb)	<b>Result</b> (ppb)
Malathion	270 - 2721	ND
Metalaxyl	44 - 2712	ND
Methiocarb	38 - 2734	ND
Methomyl	39 - 2706	ND
MGK 264 1	158 - 1631	ND
MGK 264 2	113 - 1163	ND
Myclobutanil	44 - 2705	ND
Naled	48 - 2733	ND
Oxamyl	40 - 2690	ND
Paclobutrazol	42 - 2711	ND
Permethrin	293 - 2771	ND
Phosmet	39 - 2677	ND
Prophos	281 - 2721	ND
Propoxur	42 - 2700	ND
Pyridaben	295 - 2764	ND
Spinosad A	30 - 2258	ND
Spinosad D	47 - 504	ND
Spiromesifen	272 - 2759	ND
Spirotetramat	265 - 2748	ND
Spiroxamine 1	17 - 1172	ND
Spiroxamine 2	23 - 1571	ND
Tebuconazole	302 - 2715	ND
Thiacloprid	42 - 2687	ND
Thiamethoxam	37 - 2727	ND
Trifloxystrobin	41 - 2734	ND

### **Final Approval**

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Samantha Smoll	1
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Sam Smith 18Aug2022 02:14:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 19Aug2022 12:39:00 PM MDT

PREPARED BY / DATE



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0822FR1801	Various	Solution	
Reported:	Started:	Received:	
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## Heavy Metals -Colorado Compliance

Arsonic	0.05 - 4.56
Metals	Dynamic Range (ppm)
Methods: TM19 (ICP-MS): Heavy	
Test ID: T000217542	

Arsenic	0.05 - 4.56	ND
Cadmium	0.04 - 4.44	ND
Mercury	0.04 - 4.49	ND
Lead	0.04 - 4.39	ND

#### **Final Approval**



Daniel Weidensaul 24Aug2022 06:50:00 PM MDT

Calify Richolds APPROVED BY / DATE

Courtney Richards 24Aug2022 08:09:00 PM MDT

Result (ppm)



Notes

Justin Thomson 09/15/2022 NPD Quality Manager



Definitions

https://results.botanacor.com/api/v1/coas/uuid/570c83c7-44a7-4270-963c-853f855a815a

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-THC **\***(0.877)) and Total CBD = (CBD **\***(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 by dynamic range of the method) during decarboxylation step. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total PC = THC + (THC **\***(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:  $10^2 = 100$  CFU,  $10^3 = 1,000$  CFU,  $10^4 = 10,000$  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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