

Prepared for:


**300mg - Stress Releaf**


**Pet Releaf**

Batch ID or Lot Number: <b>220119C</b>	Test: <b>Potency</b>	Reported: <b>2/17/22</b>	Location: 8100 Southpark Way #A3 Littleton, CO 80120
Matrix: Solution	Test ID: t000193048	Started: 2/15/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 02/14/2022 @ 10:48 AM	Sampler ID: N/A

## CANNABINOID PROFILE

Compound	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.119	0.413	ND	ND	Amendment to T000193048 issued 15Feb2022 to correct report format.  Density = 0.94g/mL
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.134	0.466	0.258	0.27	
Cannabidiolic acid (CBDA)	0.147	0.541	0.248*	0.26*	
Cannabidiol (CBD)	0.143	0.528	10.779	11.47	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.148	0.514	ND	ND	
Cannabinolic Acid (CBNA)	0.085	0.294	ND	ND	
Cannabinol (CBN)	0.039	0.135	ND	ND	
Cannabigerolic acid (CBGA)	0.124	0.431	ND	ND	
Cannabigerol (CBG)	0.030	0.103	0.194	0.21	
Tetrahydrocannabivarinic Acid (THCVA)	0.105	0.365	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.094	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.061	0.226	ND	ND	
Cannabidivarin (CBDV)	0.034	0.125	0.088*	0.09*	
Cannabichromenic Acid (CBCA)	0.048	0.166	ND	ND	
Cannabichromene (CBC)	0.052	0.182	0.648	0.69	
<b>Total Cannabinoids</b>			<b>12.215</b>	<b>12.99</b>	
Total Potential THC**			0.258	0.27	
Total Potential CBD**			10.996	11.70	

 Jacob Miller  
17-Feb-2022  
08:44 AM

 Sam Smith  
17-Feb-22  
8:54 AM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

\*\* Total Potential THC/CBD 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)) and

Total CBD = CBD + (CBDA \*(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

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Certificate #4329.02

Prepared for:

**300mg - Stress Releaf****Pet Releaf**

Batch ID or Lot Number: <b>220119C</b>	Test: <b>Mycotoxins</b>	Reported: <b>2/21/22</b>	Location: 8100 Southpark Way #A3 Littleton, CO 80120
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Matrix: Concentrate	Test ID: T000193053	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: 02/14/2022 @ 10:48 AM	Sampler ID: N/A
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## MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.3 - 130.1	ND	N/A
Aflatoxin B1	1 - 32.2	ND	
Aflatoxin B2	1.2 - 32.1	ND	
Aflatoxin G1	1.2 - 32.1	ND	
Aflatoxin G2	1.4 - 30.6	ND	
<b>Total Aflatoxins (B1, B2, G1, and G2)</b>		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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Prepared for:

**300mg - Stress Releaf**
**Pet Releaf**

Batch ID or Lot Number: <b>220119C</b>	Test: <b>Pesticides</b>	Reported: <b>2/17/22</b>	Location: 8100 Southpark Way #A3 Littleton, CO 80120
Matrix: Concentrate	Test ID: T000193049	Started: 2/16/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 02/14/2022 @ 10:48 AM	Sampler ID: N/A

**PESTICIDE DETERMINATION**

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	43	ND	Fenoxycarb	45	ND	Paclobutrazol	43	ND
Acetamiprid	40	ND	Fipronil	40	ND	Permethrin	306	ND
Avermectin	314	ND	Flonicamid	44	ND	Phosmet	41	ND
Azoxystrobin	43	ND	Fludioxonil	314	ND	Prophos	298	ND
Bifenazate	43	ND	Hexythiazox	44	ND	Propoxur	42	ND
Boscalid	38	ND	Imazalil	267	ND	Pyridaben	292	ND
Carbaryl	40	ND	Imidacloprid	42	ND	Spinosad A	31	ND
Carbofuran	42	ND	Kresoxim-methyl	150	ND	Spinosad D	47	ND
Chlorantraniliprole	49	ND	Malathion	292	ND	Spiromesifen	276	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	291	ND
Clofentezine	285	ND	Methiocarb	43	ND	Spiroxamine 1	17	ND
Diazinon	291	ND	Methomyl	41	ND	Spiroxamine 2	23	ND
Dichlorvos	281	ND	MGK 264 1	161	ND	Tebuconazole	285	ND
Dimethoate	41	ND	MGK 264 2	115	ND	Thiacloprid	42	ND
E-Fenpyroximate	288	ND	Myclobutanil	39	ND	Thiamethoxam	43	ND
Etofenprox	42	ND	Naled	48	ND	Trifloxystrobin	42	ND
Etoxazole	295	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 2/17/2022  
 1:00:00 PM

  
 Daniel Weidensaul  
 2/17/2022  
 1:11:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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Prepared for:

## 300mg - Stress Releaf

## Pet Releaf

Batch ID or Lot Number: <b>220119C</b>	Test: <b>Metals</b>	Reported: <b>2/21/22</b>	Location: 8100 Southpark Way #A3 Littleton, CO 80120
Matrix: Unit Co	Test ID: T000193051	Started: 2/18/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 02/14/2022 @ 10:48 AM	Sampler ID: N/A

## HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.34	ND	
Cadmium	0.044 - 4.45	ND	
Mercury	0.045 - 4.49	ND	
Lead	0.040 - 4.01	ND	

 Kayla Phye  
21-Feb-22  
5:29 PM

PREPARED BY / DATE

 Ryan Weems  
21-Feb-22  
5:44 PM

APPROVED BY / DATE

### Definitions

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

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Prepared for:

**300mg - Stress Releaf**

**Pet Releaf**

Batch ID or Lot Number: <b>220119C</b>	Test: <b>Residual Solvents</b>	Reported: <b>2/16/22</b>	Location: 8100 Southpark Way #A3 Littleton, CO 80120
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Matrix: N/A	Test ID: T000193052	Started: 2/16/22	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 02/14/2022 @ 10:48 AM	Sampler ID: N/A
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## RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	79 - 1578	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	161 - 3215	*ND	
<b>Methanol</b>	55 - 1095	*ND	
<b>Pentane</b>	84 - 1679	*ND	
<b>Ethanol</b>	86 - 1722	*ND	
<b>Acetone</b>	89 - 1787	*ND	
<b>Isopropyl Alcohol</b>	93 - 1868	*ND	
<b>Hexane</b>	5 - 109	*ND	
<b>Ethyl Acetate</b>	92 - 1849	*ND	
<b>Benzene</b>	0.2 - 3.7	*ND	
<b>Heptanes</b>	87 - 1745	*ND	
<b>Toluene</b>	16 - 321	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	113 - 2252	*ND	

 Hannah Wright  
16-Feb-22  
5:08 PM

 Ryan Weems  
16-Feb-22  
5:10 PM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

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

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Prepared for:

**300mg - Stress Releaf**
**Pet Releaf**


Batch ID or Lot Number: <b>220119C</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>2/18/22</b>	Location: 8100 Southpark Way #A3 Littleton, CO 80120
Matrix: Finished Product	Test ID: T000193050	Started: 2/15/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 02/14/2022 @ 10:48 AM	Sampler ID: N/A


### MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<LLOQ	
<b>STEC</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	
<b>Salmonella</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	

**APPROVED**

Justin Thomson 02/23/2022  
 NPD & Quality Manager

  
 Brett Hudson  
 2/18/2022  
 12:10:00 PM

  
 Sarah Henning  
 2/18/2022  
 9:04:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

#### Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

\* 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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